

001

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT ☐
(highlight changes)

APPLICATION FOR PERMIT TO DRILL

1A. TYPE OF WORK: DRILL <input checked="" type="checkbox"/> REENTER <input type="checkbox"/> DEEPEN <input type="checkbox"/>		5. MINERAL LEASE NO: ML 90001-OBA	6. SURFACE: State
B. TYPE OF WELL: OIL <input type="checkbox"/> GAS <input checked="" type="checkbox"/> OTHER _____ SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		7. IF INDIAN, ALLOTTEE OR TRIBE NAME:	
2. NAME OF OPERATOR: Pannonian Energy, Inc. (A wholly owned subsidiary of Gasco Energy, Inc.)		8. UNIT or CA AGREEMENT NAME:	
3. ADDRESS OF OPERATOR: 14 Inverness Dr. E. Ste. CITY Englewood STATE CO ZIP 80112		9. WELL NAME and NUMBER: GATE CANYON 41-20-11-15	
PHONE NUMBER: (303) 483-0044		10. FIELD AND POOL, OR WILDCAT:	
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: 581' FNL, 646' FEL AT PROPOSED PRODUCING ZONE: SAME		11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NENE 20 11S 15E S	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: 28.24 MILES SOUTHWEST OF MYTON, UTAH		12. COUNTY: DUCHESNE	13. STATE: UTAH
15. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET) 581'	16. NUMBER OF ACRES IN LEASE: 640	17. NUMBER OF ACRES ASSIGNED TO THIS WELL:	
18. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET)	19. PROPOSED DEPTH: 11,700	20. BOND DESCRIPTION: 4127763 BLANKET DRILLING BOI	
21. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.): 6569.1 FEET GRADED GROUND	22. APPROXIMATE DATE WORK WILL START: 12/1/2003	23. ESTIMATED DURATION: 45 days	

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	CASING SIZE, GRADE, AND WEIGHT PER FOOT	SETTING DEPTH	CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT
17 1/2"	13 3/8" H-40 54#	320	SEE 8 POINT PLAN 300 sacks cement 1.18
11"	8 5/8" J-55 32#	3,100	SEE 8 POINT PLAN
7 7/8"	4 1/2" P-110 13.5#	11,700	SEE 8 POINT PLAN

ATTACHMENTS

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES:

- | | |
|--|--|
| <input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER | <input checked="" type="checkbox"/> COMPLETE DRILLING PLAN |
| <input checked="" type="checkbox"/> EVIDENCE OF DIVISION OF WATER RIGHTS APPROVAL FOR USE OF WATER | <input type="checkbox"/> FORM 5, IF OPERATOR IS PERSON OR COMPANY OTHER THAN THE LEASE OWNER |

NAME (PLEASE PRINT) Ed Trotter

TITLE Agent

SIGNATURE 

DATE 8/1/2003

(This space for State use only)

API NUMBER ASSIGNED: 43-013-32475

APPROVAL:

Date: 10-14-03

By: 

Approved by the
Utah Division of
Oil, Gas and Mining

RECEIVED

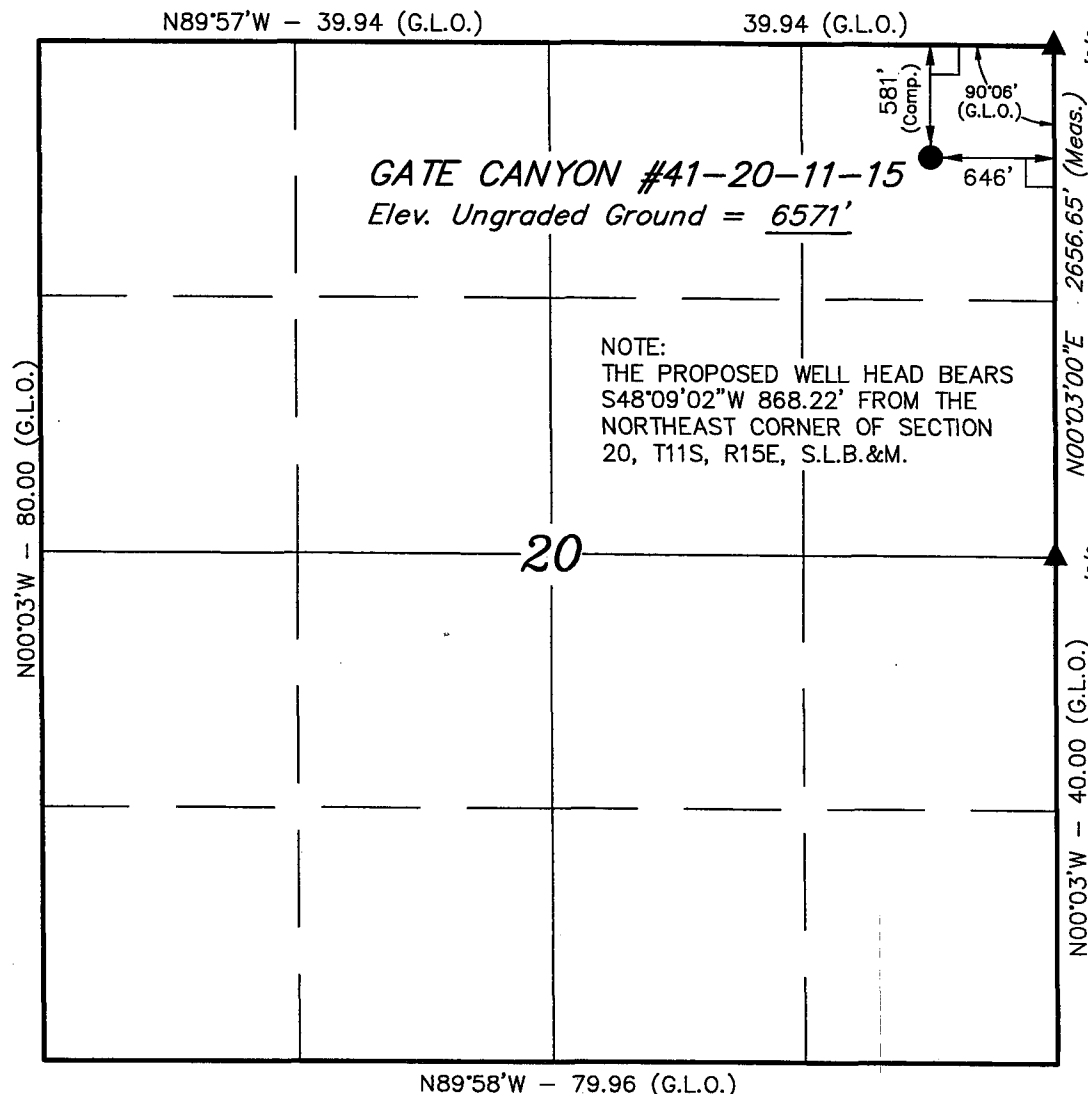
AUG 14 2003

DIV. OF OIL, GAS & MINING

T11S, R15E, S.L.B.&M.

PANNONIAN ENERGY, INC.

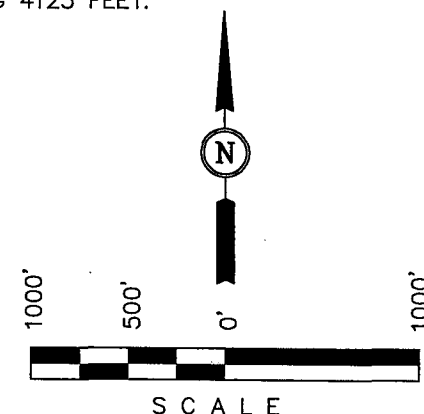
Well location, GATE CANYON #41-20-11-15, located as shown in the NE 1/4 NE 1/4 of Section 20, T11S, R15E, S.L.B.&M., Duchesne County, Utah.



Set Marked Stone,
Small Pile of Stones

BASIS OF ELEVATION

TRIANGULATION STATION (NINE) LOCATED IN THE SW 1/4 SW 1/4 OF SECTION 1, T12S, R15E, S.L.B.&M. TAKEN FROM THE COWBOY BENCH QUADRANGLE, UTAH, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 4123 FEET.



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

Robert L. ...
REGISTERED LAND SURVEYOR
REGISTRATION NO. 161319
STATE OF UTAH

LEGEND:

- └─┘ = 90° SYMBOL
- = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.

BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.

(AUTONOMOUS NAD 83)
LATITUDE = 39°50'54.11" (39.848364)
LONGITUDE = 110°15'04.61" (110.251281)

UINTAH ENGINEERING & LAND SURVEYING
85 SOUTH 200 EAST - VERNAL, UTAH 84078
(435) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 02-06-03	DATE DRAWN: 02-07-03
PARTY B.B. M.P. D.R.B.	REFERENCES G.L.O. PLAT	
WEATHER COLD	FILE PANNONIAN ENERGY, INC.	

From: Ed Bonner
To: Mason, Diana
Date: 10/10/03 9:39AM
Subject: Well Clearances

The following wells have been given cultural resource clearance by the Trust Lands Cultural Resources Group:

EOG Resources

- Chapita Wells Unit 649-2
- Chapita Wells Unit 823-16
- Chapita Wells Unit 851-32
- Chapita Wells Unit 852-32
- Chapita Wells Unit 861-32
- Chapita Wells Unit 863-32
- North Chapita 197-32

Pannonian Energy

- Gate Canyon 41-20-11-15

Dominion Exploration

- HCU 5-32 F

If you have any questions regarding this matter please give me a call.

CC: Baza, John; Garrison, LaVonne; Hill, Brad; Hunt, Gil

**WELL SITE INVESTIGATION
WILDLIFE CONSIDERATIONS**
Utah Division of Wildlife Resources

Brad

WELL NUMBER:

Gate Canyon
41-20-11-15

DATE:

8-26-03

LEASEE:

Pannonia Energy

Surface Ownership

SITLA

HABITAT TYPE:

Sage/Grass

COMMON VEGETATION

Big Sage, Slender wheatgrass,
Poa Sp, Gramma, Indian ricegrass

VEGETATION COVER: (Abundant) (Sparse)

(Moderate)

REVEGATION (Reclamation) POTENTIAL:

Fair is top soil is protected and replaced.
Good success from Intermediate wheatgrass on old
rock quarry area where top soil was replaced or piled

WILDLIFE SPECIES COMMON TO AREA: (Habitat Value)

Deer, Elk, Small wildlife species.

RAPTOR OCCURRENCE FROM DATA BASES:

None

CONCERNS/RECOMMENDATIONS:

Seed reserve pit following use. Pad and
access road when closed.

REVIEWED BY:

Floyd Bailliff
Utah Division of Wildlife Resources

435-781-5357

Date 8-26-03 Well Site Gale Canyon 41 20-11-15

**STABILIZATION PLANTINGS
UPLAND PINYON-JUNIPER
BIG SAGEBRUSH/GRASS COMMUNITIES
(12-16" PRECIP))(LBS/AC. PLS)**

Blad

SPECIES	Seed Mix Options			
	<u>A</u>	<u>B</u>	<u>C</u>	<u>Comments</u>
	Sandy/ Shallow	Clayey	Other	
GRASSES				
Siberian wheatgrass, <i>Agropyron frailie</i>	3			
Russian wildrye, <i>Psathyrostachys juneca</i>		5		
Indian ricegrass, <i>Stypia hymenoides</i>	1	1		
Crested wheatgrass, <i>Agropyron cristatum</i>	3	2		
Thickspike wheatgrass, <i>Elymus lanceolatus</i>	3	2		
Intermediate wheatgrass, <i>Elytrigia intermedia</i>	3	1/2		
FORBS				
Alfalfa, <i>Medicago sativa</i>	1	1		
Globe mallow, <i>Sphaeralcea coccinea</i>				
SHRUBS				
Fourwing saltbrush, <i>Atriplex cansence</i>		2		
Forage kochia, <i>Kochia postrata</i>	1/2	1/2		
Winterfat, <i>Eurotia lanata</i>				
Wyoming big sagebrush, <i>Artemisia tridentata</i> <i>Wyomingensis.</i>	1/2	1/2		
Total pounds per acre	15	16		

15 1/2

Recommended by: *Lloyd Bancutt*

Utah Division of Wildlife Resources

435-789-5357

**PANNONIAN ENERGY, INC.
14 INVERNESS DRIVE EAST, SUITE H-236
ENGLEWOOD, CO 80112**

August 1, 2003

Utah Division of Oil, Gas, & Mining
1594 West North Temple, Suite 1210
P.O. Box 145801
Salt Lake City, UT 84114-5801

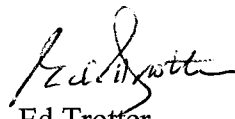
RE: APPLICATION FOR PERMIT TO DRILL
GATE CANYON #41-20-11-15
NE/NE, SEC.20, T11S, R15E
DUCHESNE COUNTY, UTAH
LEASE NO.: Exploration Agreement
ML 90001-OBA
STATE LANDS

Enclosed please find a copy of the Application for Permit to Drill and associated attachments for the referenced well.

Please address further communication regarding this matter (including approval) to:

Ed Trotter
P.O. Box 1910
Vernal, UT 84078
Phone: (435)789-4120
Fax: (435)789-1420

Sincerely,



Ed Trotter
Agent
PANNONIAN ENERGY, INC.

Attachments

RECEIVED
AUG 14 2003
DIV. OF OIL, GAS & MINING

EIGHT POINT PLAN

GATE CANYON STATE #41-20-11-15
NE/NE, SEC. 20, T11S, R15E, S.L.B.&M.
DUCHESNE COUNTY, UTAH

1. & 2. ESTIMATED TOPS & ANTICIPATED OIL, GAS, & WATER ZONES:

FORMATION	DEPTH	TYPE ZONES	MAXIMUM PRESSURE
Green River	Surface		
Wasatch	3308	GAS	
Castlegate	8933	GAS	
Desert	9733	GAS	
Grassy	10,003	GAS	
Sunnyside	10,258	GAS	
Kenilworth	10,383	GAS	
Aberdeen	11,153	GAS	

EST. TD: 11,700'

Anticipated 6482 BHP PSI

3. PRESSURE CONTROL EQUIPMENT: BOP Schematic Diagram attached.

4. CASING PROGRAM:

<u>HOLE SIZE</u>	<u>INTERVAL</u>	<u>LENGTH</u>	<u>SIZE</u>	<u>WEIGHT</u>	<u>GRADE</u>	<u>THREAD</u>	<u>MINIMUM SAFETY FACTOR</u>		
							<u>COLLAPSE</u>	<u>BURST</u>	<u>TENSILE</u>
17 1/2"	0' - 320'	320'	13 3/8	54#	H-40	N/A	N/A		
11"	220'-3100'	3100'	8 5/8	32#	J-55	ST&C	1.63	2.19	3.3
7 7/8"	3100' - TD	11,700'	4 1/2"	13.5#	P-110	LT&C			

If conductor drive pipe is used, it will be left in place if its total length is less than 20 feet below the surface. If the total length of the drive pipe is equal to or greater than 20 feet, it will be pulled prior to cementing surface casing, or it will be cemented in place. The minimum diameter of the conductor drive pipe will be 13 3/8".

All casing will be new or inspected.

5. MUD PROGRAM

<u>INTERVAL</u>	<u>MUD TYPE</u>
0' - 220'	Water
220' - 3100'	Water with Sweeps
3100 - 7565'	DAP Mud 8.5 - 9.0 ppg
7565 - TD	DAP Mud 9.0 - 10.5 ppg

Sufficient mud inventory will be maintained on location during drilling to handle any adverse conditions that may arise.

EIGHT POINT PLAN

GATE CANYON STATE #41-20-11-15
NE/NE, SEC. 20, T11S, R15E, S.L.B.&M.
DUCHESNE COUNTY, UTAH

6. VARIANCE REQUESTS:

- A. PANNONIAN ENERGY, INC. requests a variance to regulations requiring a straight run blooie line (Where possible, a straight run blooie line will be used).
- B. PANNONIAN ENERGY, INC. requests a variance to regulations requiring an automatic ignitor or continuous pilot light on the blooie line. (Not required on aerated water system).
- C. PANNONIAN ENERGY, INC. requests a variance to regulations requiring the blooie line to be 100' in length. To reduce location excavation, the blooie line will be 75' in length.

7. CEMENT PROGRAM:

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
7 7/8	P-110 4 1/2"	13.5#	11,760'	100 SX HIFILL 3.82 YIELD @ 11 PPG & 1500 SXS 50-50- POZ MIXED AT 13.6 PPG. 1.42 YEILD

LEAD:

460 sacks Hi-Fill
11 ppg
2.87 ft3/sk yield

TAIL:

220 sacks Class "G"
2% CaCl
15.6 ppg
1.18 ft3/sk

8. EVALUATION PROGRAM:

Logs: Triple Combo TD – 3100'
GR 3100' to Surface

Cores: None Programmed
DST: None Programmed

Completion: To be submitted at a later date.

9. ABNORMAL CONDITIONS:

None anticipated.

EIGHT POINT PLAN

GATE CANYON STATE #41-20-11-15
NE/NE, SEC. 20, T11S, R15E, S.L.B.&M.
DUCHESNE COUNTY, UTAH

10. STANDARD REQUIRED EQUIPMENT:

- A. Choke Manifold
- B. Kelly Clock
- C. Stabbing Valve
- D. Visual Mud Monitoring

11. HAZARDOUS CHEMICALS:

No chemicals subject to reporting under SARA title III in an amount equal to or greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling of this well.

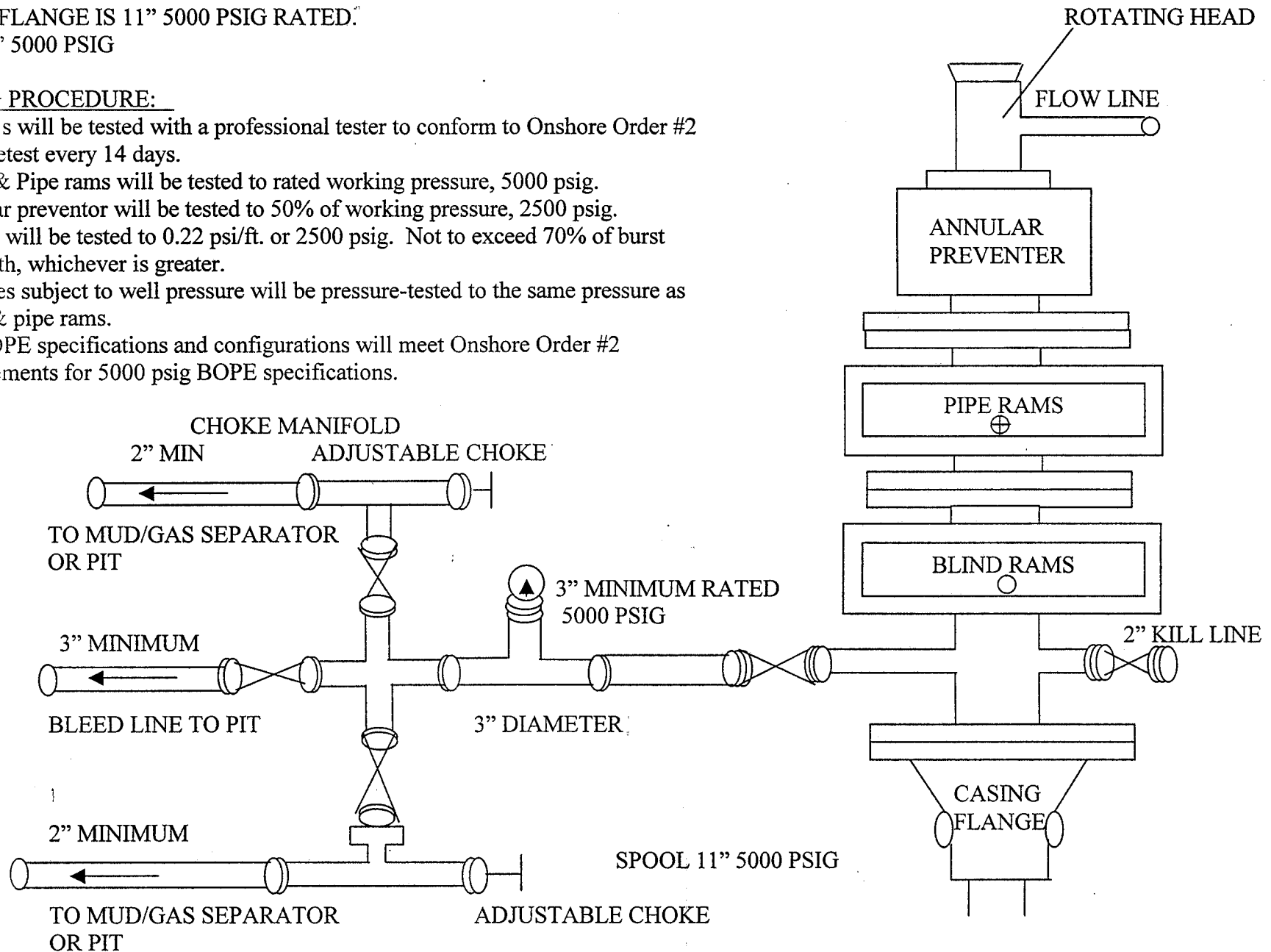
(Attachment: BOP Schematic Diagram)

5000 PSIG DIAGRAM

ANNULAR PREVENTOR AND BOTH RAMS ARE 5000 PSIG RATED.
CASING FLANGE IS 11" 5000 PSIG RATED.
BOPE 11" 5000 PSIG

TESTING PROCEDURE:

1. BOPE's will be tested with a professional tester to conform to Onshore Order #2 with retest every 14 days.
2. Blind & Pipe rams will be tested to rated working pressure, 5000 psig.
3. Annular preventor will be tested to 50% of working pressure, 2500 psig.
4. Casing will be tested to 0.22 psi/ft. or 2500 psig. Not to exceed 70% of burst strength, whichever is greater.
5. All lines subject to well pressure will be pressure-tested to the same pressure as blind & pipe rams.
6. All BOPE specifications and configurations will meet Onshore Order #2 requirements for 5000 psig BOPE specifications.



PANNONIAN ENERGY, INC.

GATE CANYON #41-20-11-15

SECTION 20, T11S, R15E, S.L.B.&M.

PROCEED IN A SOUTHWESTERLY DIRECTION FROM MYTON, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 1.5 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTH; THURN LEFT AND PROCEED IN A SOUTHERLY, THEN SOUTHWESTERLY, THEN SOUTHERLY DIRECTION APPROXIMATELY 1.7 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHWEST TURN LEFT AND PROCEED IN A SOUTHWESTERLY DIRECTION APPROXIMATELY 24.9 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; TURN LEFT AND PROCEED IN A SOUTHEASTERLY DIRECTION APPROXIMATELY 0.1 MILES TO THE BEGINNING OF THE PROPOSED ACCESS ROAD TO THE SOUTHEAST; FOLLOW ROAD FLAGS IN A SOUTHEASTERLY DIRECTION APPROXIMATELY 200' TO THE PROPOSED LOCATION

**CONDITIONS OF APPROVAL
FOR THE SURFACE USE PROGRAM OF THE
APPLICATION FOR PERMIT TO DRILL**

Company/Operator: Pannonian Energy, Inc.
Well Name & Number: Gate Canyon 41-20-11-15
Lease Number: Exploration Agreement ML-90001-OBA
Location: 581' FNL & 646' FEL, NE/NE, Sec. 20,
T11S, R15E, S.L.B.&M.,
Duchesne County, Utah
Surface Ownership: STATE OF UTAH

NOTIFICATION REQUIREMENTS

Location Construction - forty-eight (48) hours prior to construction of location and access roads.

Location Completion - prior to moving on the drilling rig.

Spud Notice: - at least twenty-four (24) hours prior to spudding the well.

Casing String and Cementing - twenty-four (24) hours prior to running casing and cementing all casing strings.

BOP and related Equipment Tests - twenty-four (24) hours prior to running casing and tests.

First Production Notice - within five (5) business days after new Well begins or production resumes after Well has been off production for more than ninety (90) days.

For more specific details on notification requirements, please check the Conditions of Approval for Notice to Drill and Surface Use Program.

THIRTEEN POINT SURFACE USE PROGRAM

1. EXISTING ROADS

- A. See attached Wellsite Plats showing directional reference stakes on location, and attached TOPO Map "B" showing access to location from existing roads.
- B. The proposed well site is located approximately 28.24 miles southwest of Myton, Utah - See attached TOPO Map "A".
- C. Refer to attached Topographic Map "A" showing labeled access route to location.
- D. Existing roads will be maintained and repaired as necessary. No off lease Right-of-Way will be required.

2. PLANNED ACCESS ROAD

- A. The access road will be approximately 200 feet in length. See attached TOPO Map "B".
- B. The access road has a 30 foot ROW w/ 18 foot running surface.
- C. Maximum grade on access road will be 8%.
- D. No turnouts will be required.
- E. Road drainage crossings shall be of the typical dry creek drainage crossing type.
- F. No culverts, bridges, or major cuts and fills will be required.
- G. The access road will be dirt surface.
- H. No gates, cattleguards, or fences will be required or encountered.

New or reconstructed roads will be centerlined - flagged at time of location staking.

All travel will be confined to existing access road Right-of-Way. Access roads and surface disturbing activities will conform to standards outlined in the Bureau of Land Management and Forest Service Publication: Surface Operating Standards For Oil & Gas Exploration and Development, (1989).

The road shall be upgraded to meet the standards of the anticipated traffic flow and all-weather road requirements. Upgrading shall include ditching, drainage, graveling, crowning, and capping the roadbed as necessary to provide a well-constructed safe road. Prior to upgrading, the road shall be cleared of any snow cover and allowed to dry completely. Traveling off the 30 foot Right-of-Way will not be allowed.

Road drainage crossings shall be of the typical dry creek drainage crossing type. Crossings shall be designed so they will not cause siltation or accumulation of debris in the drainage crossings nor shall the drainages be blocked by the roadbed. Diverting water off at frequent intervals by means of cutouts shall prevent erosion of drainage ditches by run off water. Upgrading shall not be allowed during muddy conditions. Should mud holes develop, they shall be filled in and detours around them avoided.

As operator, Pannonian Energy, Inc. shall be responsible for all maintenance on cattleguards, or gates associated with this oil and/or gas operation.

3. **LOCATION OF EXISTING WELLS WITHIN A ONE MILE RADIUS OF PROPOSED WELL LOCATION**

None

4. **LOCATION OF EXISTING AND/OR PROPOSED FACILITIES**

A. **ON WELL PAD**

1. Production facilities will be set on location if the well is successfully completed for production. Facilities will consist of well head valves, separator, dehy, 210 Bbl condensate tank, meter house and attaching piping. See attached facility diagram.
2. Gas gathering lines - A 3" gathering line will be buried from dehy to the edge of the location.

B. **OFF WELL PAD**

1. Proposed location of attendant off pad flowlines shall be flagged prior to archaeological clearance.
2. A 3" OD steel above ground natural gas pipeline will be laid approximately 4300' from proposed location to a point in the NW/NE of Section 21, T11S, R15E, where it will tie into an existing pipeline. Proposed pipeline crosses State of Utah administered lands, thus a Right-of -Way grant will be required.
3. Proposed pipeline will be a 3" OD steel, welded line laid on the surface.
4. Protective measures and devices for livestock and wildlife will be taken and/or installed where required.

If storage facilities/tank batteries are constructed on this lease, the facility/battery or the well pad shall be surrounded by a containment dike of sufficient capacity to contain, at a minimum, the entire contents of the largest tank within the facility/battery, unless more stringent protective requirements are deemed necessary by the authorized officer.

The production facilities will be placed on the Southeast side of the location.

5. LOCATION & TYPE OF WATER SUPPLY

- A. Water supply will be from Jim Nebeker Trucking Water Plant, Myton, Utah.
Water Right #43-1721 in Section 34, T3S, R2W, Duchesne County, Utah.
- B. Water will be hauled by licensed trucking company.
- C. No water well will be drilled on lease.

11. SURFACE OWNERSHIP

Access road: State of Utah

Location: State of Utah

LESSEE'S OR OPERATOR'S REPRESENTATIVE AND CERTIFICATION

OPERATIONS

Pannonian Energy
(a wholly owned subsidiary of Gasco Energy)
14 Inverness Drive East, Suite H-236
Englewood, CO 80112

PERMITTING

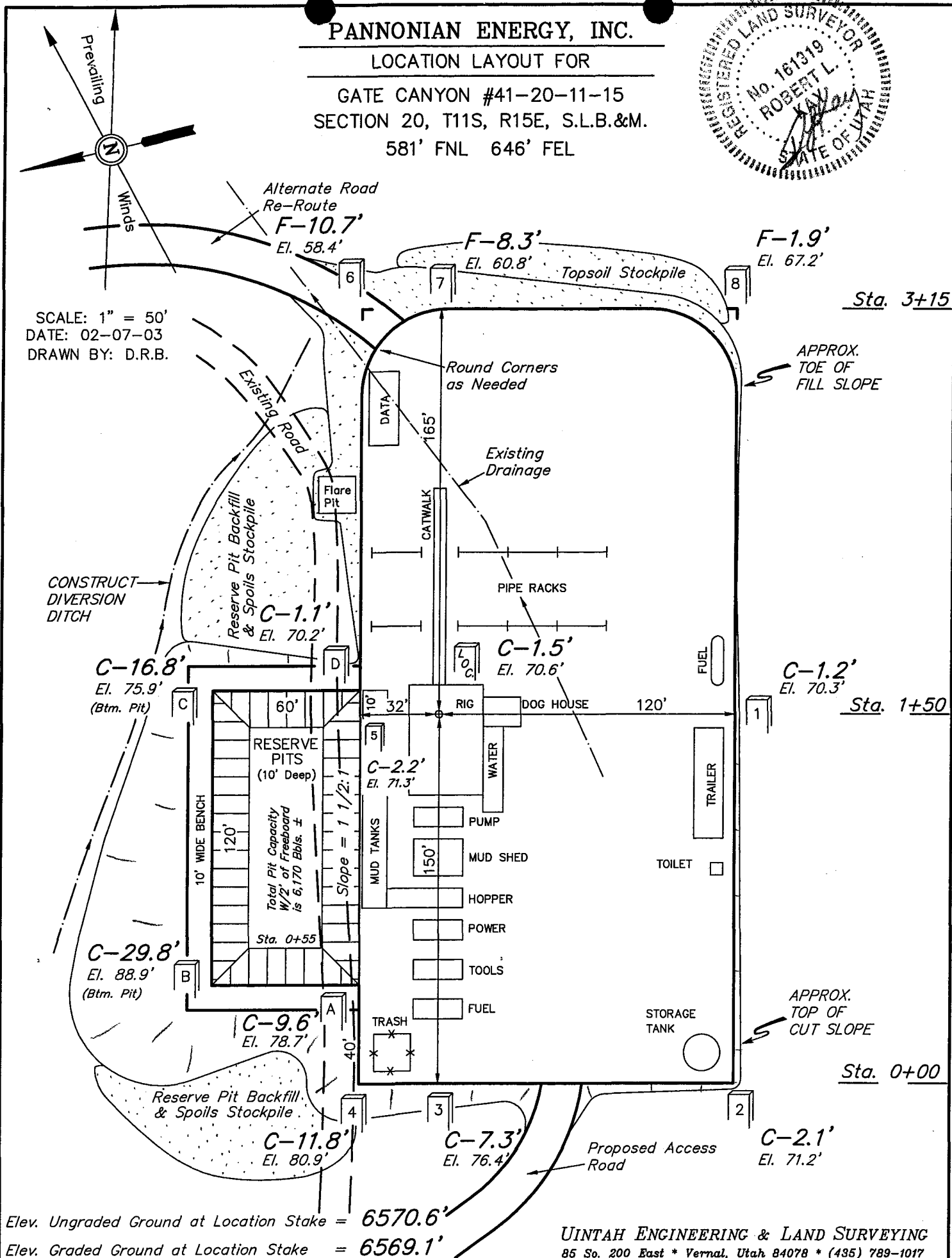
Ed Trotter
P.O. Box 1910
Vernal, UT 84078
Telephone: (435)789-4120
Fax: (435)789-1420

August 1, 2003
Date

Ed Trotter
Agent

LOCATION LAYOUT FOR

REGISTERED LAND SURVEYOR
No. 161319
ROBERT L. KAY
STATE OF UTAH



Elev. Ungraded Ground at Location Stake = 6570.6'
Elev. Graded Ground at Location Stake = 6569.1'

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017

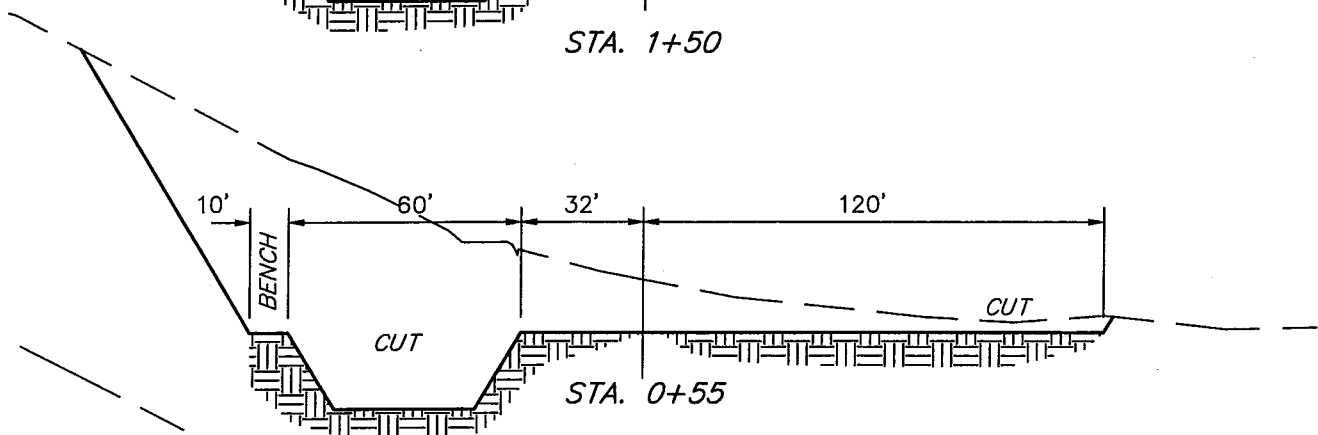
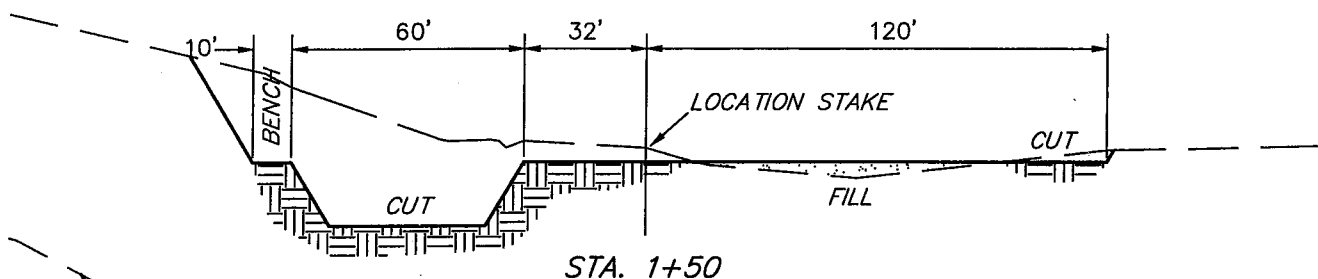
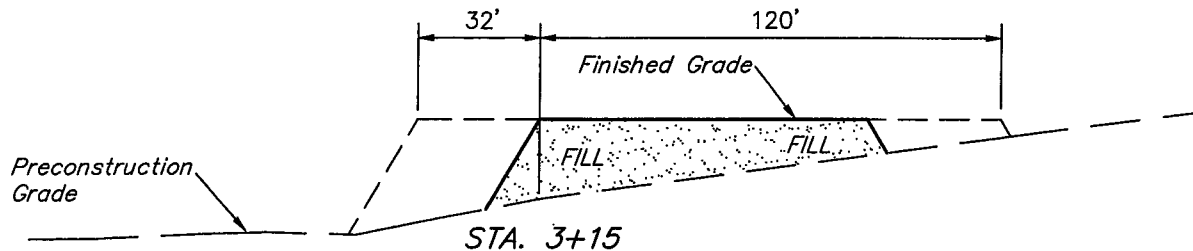
PANNONIAN ENERGY, INC.

TYPICAL CROSS SECTION FOR

GATE CANYON #41-20-11-15
SECTION 20, T11S, R15E, S.L.B.&M.
581' FNL 646' FEL

1" = 20'
X-Section
Scale
1" = 50'

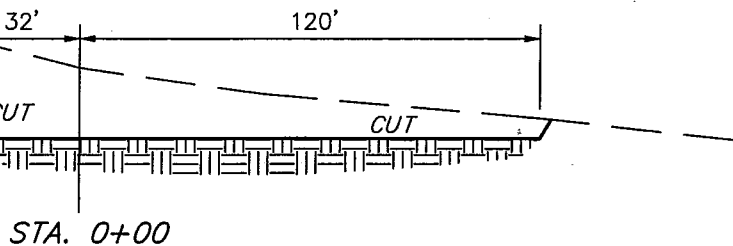
DATE: 02-06-03
DRAWN BY: D.R.B.



Slope = 1 1/2:1
(Typ.)

NOTE:

Topsoil should not be
Stripped Below Finished
Grade on Substructure Area.

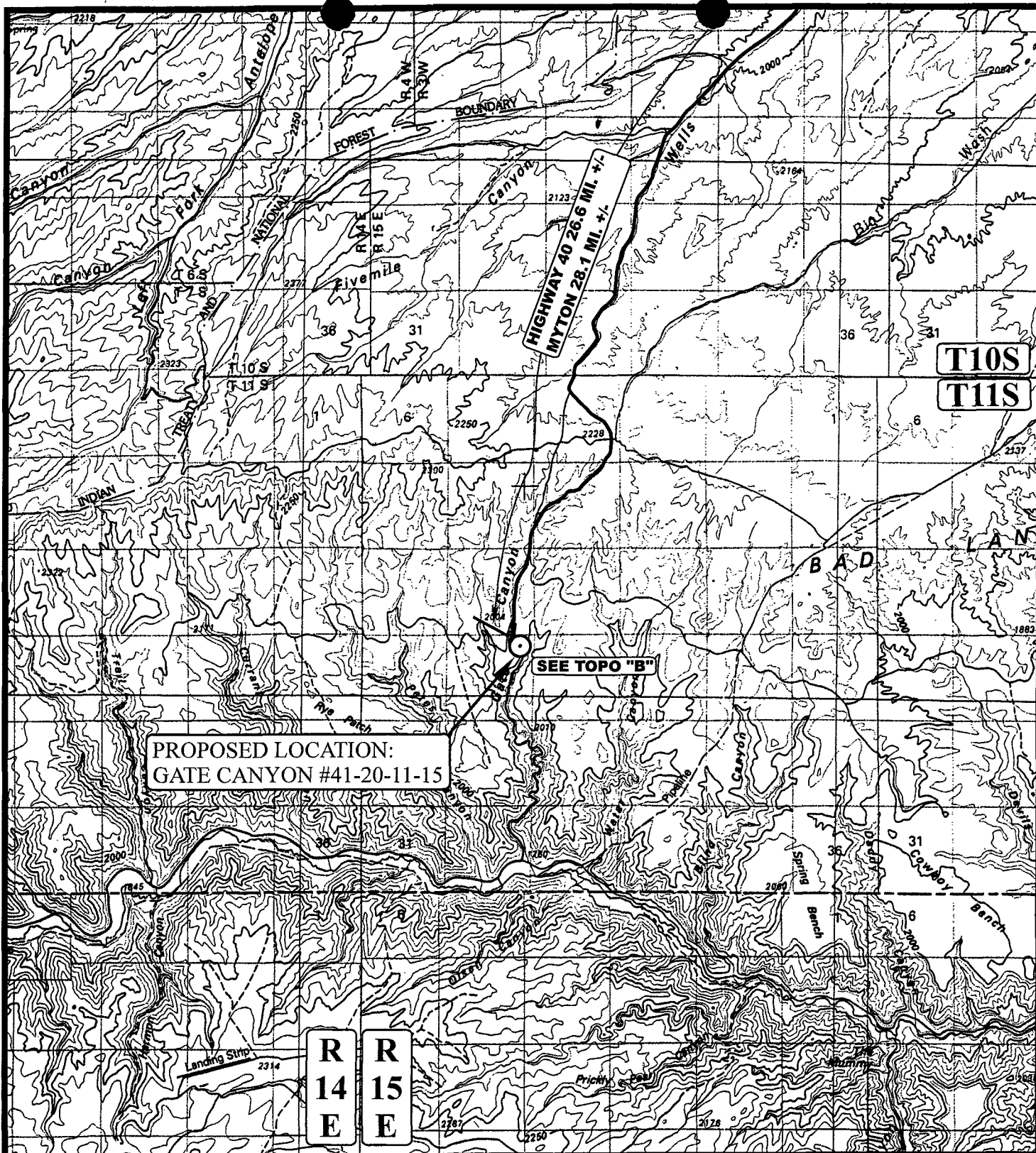


APPROXIMATE YARDAGES

CUT	
(6") Topsoil Stripping	= 1,070 Cu. Yds.
Remaining Location	= 8,930 Cu. Yds.
TOTAL CUT	= 10,000 CU.YDS.
FILL	= 4,500 CU.YDS.

EXCESS MATERIAL AFTER 5% COMPACTION	= 5,260 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	= 1,960 Cu. Yds.
EXCESS UNBALANCE (After Rehabilitation)	= 3,300 Cu. Yds.

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017



LEGEND:

○ PROPOSED LOCATION



PANNONIAN ENERGY INC.

GATE CANYON #41-20-11-15
SECTION 20, T11S, R15E, S.L.B.&M.
581' FNL 646' FEL



Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC
MAP

2 7 03
MONTH DAY YEAR

SCALE: 1:100,000 DRAWN BY: J.L.G. REVISED: 00-00-00



PANNONIAN ENERGY, INC.
GATE CANYON #41-20-11-15
LOCATED IN DUCHESNE COUNTY, UTAH
SECTION 20, T11S, R15E, S.L.B.&M.



PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: SOUTHWESTERLY



PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: SOUTHEASTERLY



UELS Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
435-789-1017 uels@uelsinc.com

LOCATION PHOTOS

2
MONTH

7
DAY

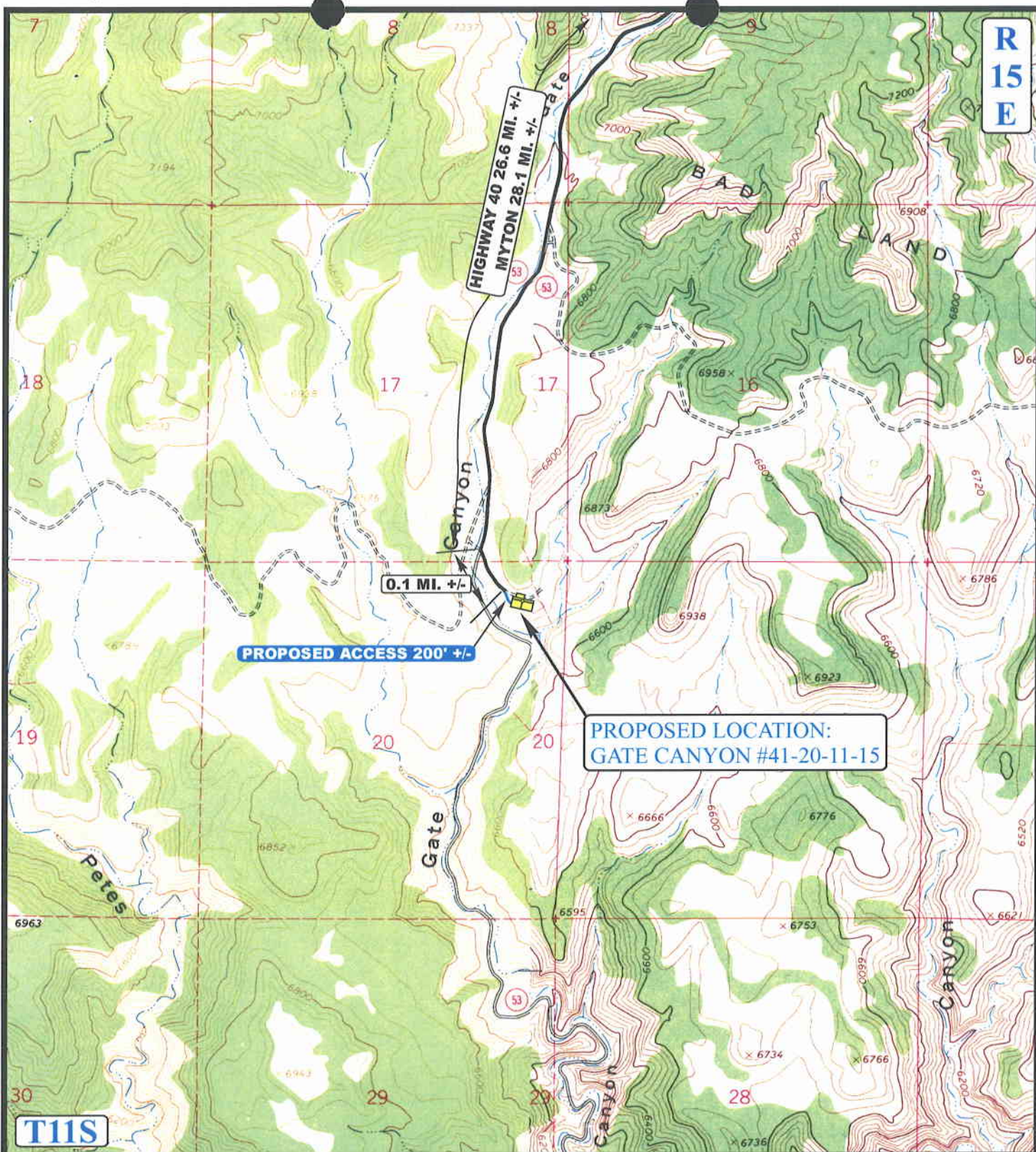
03
YEAR

PHOTO



TAKEN BY: B.B.

DRAWN BY: J.L.G.

REVISED: 00-00-00



LEGEND:

 PROPOSED ACCESS ROAD
 EXISTING ROAD

PANNONIAN ENERGY INC.

GATE CANYON #41-20-11-15
SECTION 20, T11S, R15E, S.L.B.&M.
581' FNL 646' FEL



Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

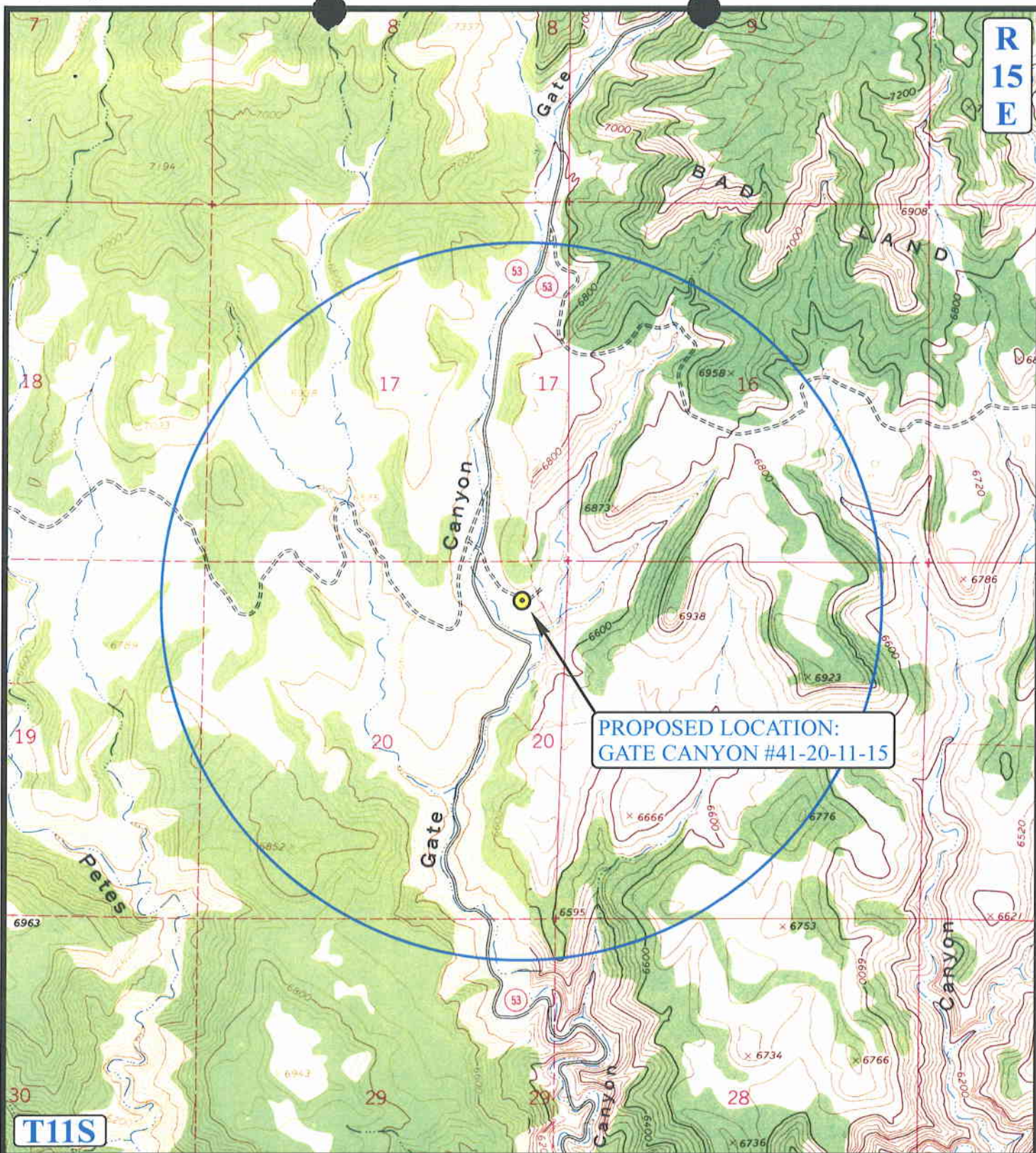


TOPOGRAPHIC
MAP

2 **7** **03**
MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: J.L.G. REVISED: 00-00-00

B
TOPO



LEGEND:

- ⊗ DISPOSAL WELLS
- PRODUCING WELLS
- SHUT IN WELLS
- ⊗ WATER WELLS
- ABANDONED WELLS
- TEMPORARILY ABANDONED

PANNONIAN ENERGY INC.

GATE CANYON #41-20-11-15
SECTION 20, T11S, R15E, S.L.B.&M.
581' FNL 646' FEL



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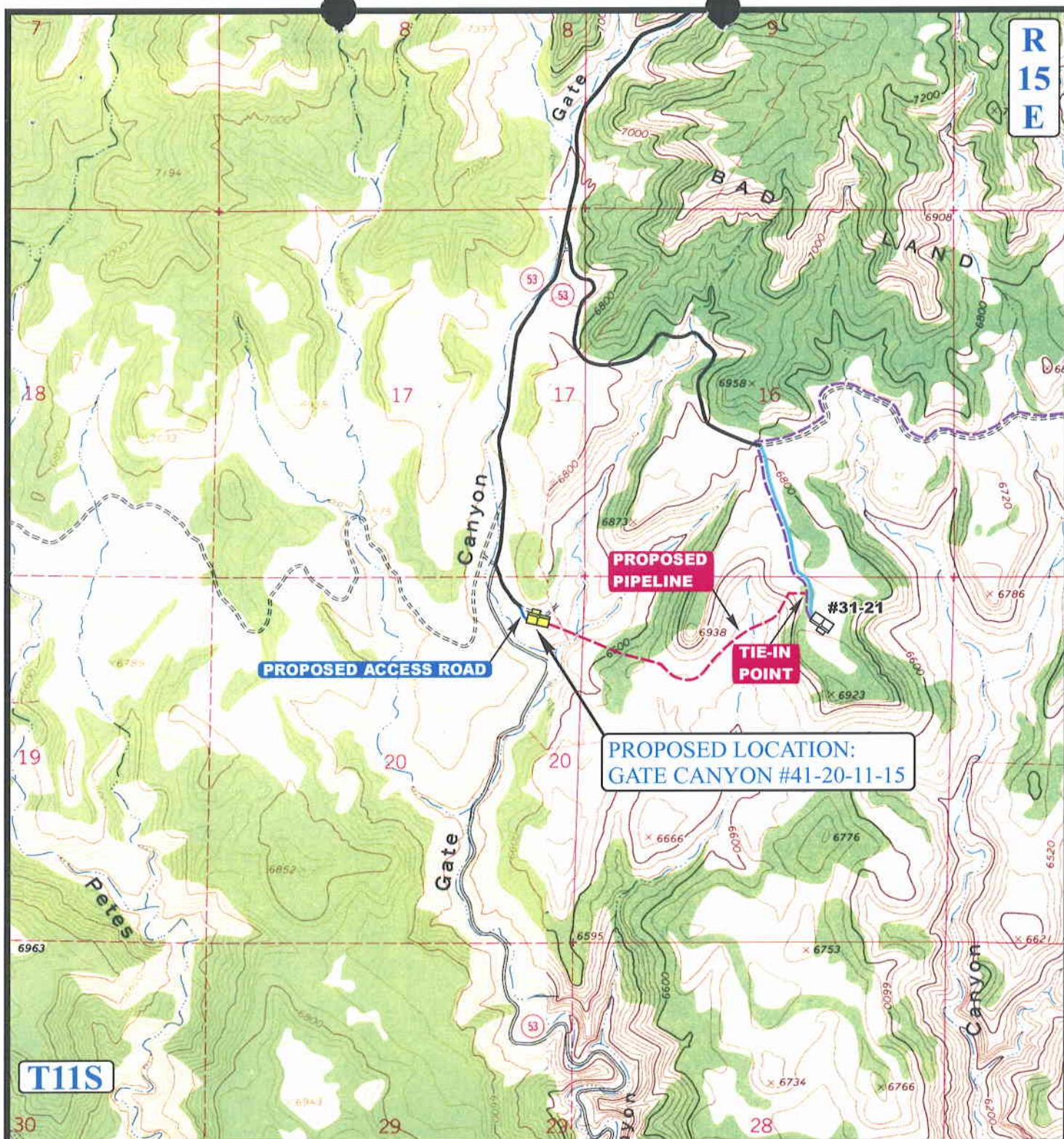


**TOPOGRAPHIC
MAP**

2 7 03
 MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: J.L.G. REVISED: 00-00-00





APPROXIMATE TOTAL PIPELINE DISTANCE = 4300' +/-

LEGEND:

- EXISTING PIPELINE
- - - PROPOSED PIPELINE
- - - PROPOSED ACCESS

PANNONIAN ENERGY INC.

GATE CANYON #41-20-11-15
SECTION 20, T11S, R15E, S.L.B.&M.
581' FNL 646' FEL



Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC
MAP

2 7 03
MONTH DAY YEAR



SCALE: 1" = 1000' DRAWN BY: J.L.G. REVISED: 00-00-00

003

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 08/14/2003

API NO. ASSIGNED: 43-013-32475

WELL NAME: GATE CYN 41-20-11-15

OPERATOR: PANNONIAN ENERGY INC (N1815)

CONTACT: ED TROTTER

PHONE NUMBER: 435-789-4120

PROPOSED LOCATION:

NENE 20 110S 150E

SURFACE: 0581 FNL 0646 FEL

BOTTOM: 0581 FNL 0646 FEL

DUCHESNE

WILDCAT (1)

LEASE TYPE: 3 - State

LEASE NUMBER: ML-90001-0BA

SURFACE OWNER: 3 - State

PROPOSED FORMATION: CSLGT

INSPECT LOCATN BY: / /

Tech Review	Initials	Date
Engineering	DRD	9/16/03
Geology		
Surface		

LATITUDE: 39.84833

LONGITUDE: 110.25039

RECEIVED AND/OR REVIEWED:

- ☒ Plat
- ☒ Bond: Fed[] Ind[] Sta[3] Fee[]
(No. 4127763)
- ☒ Potash (Y/N)
- ☒ Oil Shale 190-5 (B) or 190-3 or 190-13
- ☒ Water Permit
(No. 43-1721)
- ☒ RDCC Review (Y/N)
(Date: 09/08/2003)
- ☒ Fee Surf Agreement (Y/N)

LOCATION AND SITING:

- ___ R649-2-3.
- Unit _____
- ☒ R649-3-2. General
Siting: 460 From Qtr/Qtr & 920' Between Wells
- ___ R649-3-3. Exception
- ___ Drilling Unit
Board Cause No: _____
Eff Date: _____
Siting: _____
- ___ R649-3-11. Directional Drill

COMMENTS:

Needs Permit (08-26-03)

STIPULATIONS:

- 1 - Spacing Strip
- 2 - Surface Casing Cnt Strip
- 3 - Production Casing Cnt strip to $\pm 3100'$
- 4 - STATEMENT OF BASIS

**DIVISION OF OIL, GAS AND MINING
APPLICATION FOR PERMIT TO DRILL
STATEMENT OF BASIS**

OPERATOR: Pannonian Energy, Inc.
WELL NAME & NUMBER: Gate Canyon 41-20-11-15
API NUMBER: 43-013-32475
LOCATION: 1/4,1/4 NE/NE Sec:20 TWP: 11S RNG: 15E 581 FNL 646 FEL

Geology/Ground Water:

Pannonian has proposed setting 320 feet of surface casing at the proposed location. The depth of the moderately saline water is estimated at 4,500'. A search of Division of Water Rights records shows no water wells within a radius of 10,000' from the center of Section 20. The surface formation at the proposed location is the Green River Formation. The Green River Formation is made up of interbedded sandstones, limestones and shales. These rocks may be fractured in this area. This area should also be considered a recharge area for Green River Formation aquifers. The proposed casing and cementing program should adequately protect surface and near-surface waters near the proposed location..

Reviewer: Brad Hill **Date:** 09-04-03

Surface:

An onsite of the surface area was done on said date take input and address issues for the drilling of this well. Ed Bonner with SITLA (state lands) was invited by telephone and emailed of time and date. The Northeastern UDWR was also notified and attended the onsite meeting. A seed mixture and amount was given to Ed Trotter for reclamation of reserve pit and location when reclaimed. The UDWR did not site any critical wildlife concerns associated with this location. It is likely that blasting will be needed to cut reserve pit because of underlying sandstone. Therefore, a pad and liner shall be required in reserve pit to prevent leakage. Location is a legal staking. Construct diversion ditch along north/northeast side of location and tie back into existing drainage to east for erosion control and run off. No other issues or problems were noted during onsite visit.

Reviewer: Dennis L. Ingram **Date:** August 26, 2003

Conditions of Approval/Application for Permit to Drill:

1. Install a 12 mil (minimum) synthetic liner and sufficient padding to line reserve pit and prevent seepage into adjacent canyons.

ON-SITE PREDRILL EVALUATION
Division of Oil, Gas and Mining

OPERATOR: Pannonian Energy, Inc. (Subsidiary of Gasco Energy)
WELL NAME & NUMBER: Gate Canyon 41-20-11-15
API NUMBER: 43-013-32475
LEASE: State of Utah FIELD/UNIT: _____
LOCATION: 1/4, 1/4 NE/NE Sec: 20 TWP: 11S RNG: 15E 581 FNL 646 FEL
LEGAL WELL SITING: 460 F SEC. LINE; 460 F 1/4, 1/4 LINE; 920 F ANOTHER WELL.
GPS COORD (UTM): X = _____ E; Y = _____ N SURFACE OWNER: Sitla (State Lands)

PARTICIPANTS

Dennis L. Ingram (DOGM); Floyd Bartlett (UDWR); Ed Trotter (Pannonian Energy Rep);

REGIONAL/LOCAL SETTING & TOPOGRAPHY

Located on bench immediately east of Gate Canyon and approximately one mile south of the Wrinkles Road that runs to Sand Wash, or 26.6 miles south of Highway 40 from Pleasant Valley turn-off. Sandstone outcroppings line the walls of Gate Canyon much like what is seen in the lower country of Nine Mile Canyon. A two-track access into location has already been cut from past use during rock removal process. Gate Canyon drains into Nine Mile canyon and recently had a flash flood wash out main road.

SURFACE USE PLAN

CURRENT SURFACE USE: Formerly used for slab rock excavation and wildlife use, also has winter cattle grazing

PROPOSED SURFACE DISTURBANCE: New access measuring 20 +/- feet and location 152'x 315' plus reserve pit

LOCATION OF EXISTING WELLS WITHIN A 1 MILE RADIUS: Gate Canyon #31-21

LOCATION OF PRODUCTION FACILITIES AND PIPELINES: All production equipment shall remain on lease and have proposed running one mile of new gas line east to the Gate Canyon #31-21

SOURCE OF CONSTRUCTION MATERIAL: Native cut and fill

ANCILLARY FACILITIES: None requested

WASTE MANAGEMENT PLAN:

Submitted to the division with Application to Drill

ENVIRONMENTAL PARAMETERS

AFFECTED FLOODPLAINS AND/OR WETLANDS: Gate Canyon is steep and narrow and does have flash flood potential during storm run off, no wetland involvement.

FLORA/FAUNA: Sparse vegetative cover from previous use, native to area. Typical habitat is sage/grass lands. A seed mixture for reclamation was given to operator by UDWR biologist. Deer, elk, mountain lion, bobcat and other smaller wildlife.

SOIL TYPE AND CHARACTERISTICS: Tan fine grained sand with clay present

SURFACE FORMATION & CHARACTERISTICS: Green River

EROSION/SEDIMENTATION/STABILITY: Active erosion, ongoing sedimentation, and potential stability problems to south of location.

PALEONTOLOGICAL POTENTIAL: None observed during onsite

RESERVE PIT

CHARACTERISTICS: Reserve pit proposed in cut north of location measuring 120'x 60'x 10' and having wellhead downwind of prevailing winds.

LINER REQUIREMENTS (Site Ranking Form attached): 30 points

SURFACE RESTORATION/RECLAMATION PLAN

To original condition and seeded or according to SITLA at time of reclamation.

SURFACE AGREEMENT: Yes

CULTURAL RESOURCES/ARCHAEOLOGY: Arch survey was done by Jim Truesdale and submitted to Sitla (state lands)

OTHER OBSERVATIONS/COMMENTS

Located on bench east of canyon floor, surface slopes to south, existing access road from prior activity, gate on road, rocky shelf that drops off to south of location corners #1, #2, and #8.

ATTACHMENTS

Photos of this location were taken and placed on file.

Dennis L. Ingram
DOGM REPRESENTATIVE

August 26, 2003 11:30 AM
DATE/TIME

T11S R15E

MIDDLE BENCH UNIT
TERMINATED

18

17

16

GATE CYN 41-20-11-15



GATE CYN 31-21-11-15



19

20

21

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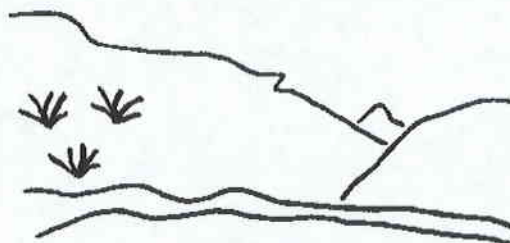
OPERATOR: PANNONION ENERGY (N1815)

SEC. 20 T.11S, R.15E

FIELD: WILDCAT (001)

COUNTY: DUCHESNE

SPACING: R649-3-2 / GENERAL SITING



Utah Oil Gas and Mining

Wells

- GAS INJECTION
- GAS STORAGE
- LOCATION ABANDONED
- NEW LOCATION
- PLUGGED & ABANDONED
- PRODUCING GAS
- PRODUCING OIL
- SHUT-IN GAS
- SHUT-IN OIL
- TEMP. ABANDONED
- TEST WELL
- WATER INJECTION
- WATER SUPPLY
- WATER DISPOSAL

Unit Status

- EXPLORATORY
- GAS STORAGE
- NF PP OIL
- NF SECONDARY
- PENDING
- PI OIL
- PP GAS
- PP GEOTHERML
- PP OIL
- SECONDARY
- TERMINATED

Field Status

- ABANDONED
- ACTIVE
- COMBINED
- INACTIVE
- PROPOSED
- STORAGE
- TERMINATED



PREPARED BY: DIANA MASON
DATE: 15-AUGUST-2003









**Evaluation Ranking Criteria and Ranking Score
For Reserve and Onsite Pit Liner Requirements**

<u>Site-Specific Factors</u>	<u>Ranking</u>	<u>Site Ranking</u>
Distance to Groundwater (feet)		
>200	0	
100 to 200	5	
75 to 100	10	
25 to 75	15	
<25 or recharge area	20	<u>5</u>
Distance to Surf. Water (feet)		
>1000	0	
300 to 1000	2	
200 to 300	10	
100 to 200	15	
< 100	20	<u>0</u>
Distance to Nearest Municipal Well (feet)		
>5280	0	
1320 to 5280	5	
500 to 1320	10	
<500	20	<u>0</u>
Distance to Other Wells (feet)		
>1320	0	
300 to 1320	10	
<300	20	<u>0</u>
Native Soil Type		
Low permeability	0	
Mod. permeability	10	
High permeability	20	<u>20</u>
Fluid Type		
Air/mist	0	
Fresh Water	5	
TDS >5000 and <10000	10	
TDS >10000 or Oil Base Mud Fluid	15	
containing significant levels of hazardous constituents	20	<u>5</u>
Drill Cuttings		
Normal Rock	0	
Salt or detrimental	10	<u>0</u>
Annual Precipitation (inches)		
<10	0	
10 to 20	5	
>20	10	<u>0</u>
Affected Populations		
<10	0	
10 to 30	6	
30 to 50	8	
>50	10	<u>0</u>
Presence of Nearby Utility Conduits		
Not Present	0	
Unknown	10	
Present	15	<u>0</u>

Final Score 30 (Level I Sensitivity)

Sensitivity Level I = 20 or more; total containment is required.
Sensitivity Level II = 15-19; lining is discretionary.
Sensitivity Level III = below 15; no specific lining is required.

UTAH DIVISION OF WATER RIGHTS
WATER RIGHT POINT OF DIVERSION PLOT CREATED THU, SEP 4, 2003, 8:44 AM
PLOT SHOWS LOCATION OF 0 POINTS OF DIVERSION

PLOT OF AN AREA WITH A RADIUS OF 10000 FEET FROM A POINT
FEET, FEET OF THE CT CORNER,
SECTION 20 TOWNSHIP 11S RANGE 15E SL BASE AND MERIDIAN

PLOT SCALE IS APPROXIMATELY 1 INCH = 4000 FEET

N O R T H

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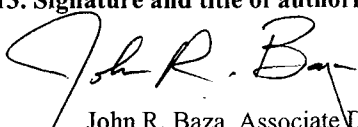
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STATE ACTIONS
Governor's Office of Planning and Budget
Resource Development Coordinating Committee
P.O. Box 145610
1594 W. North Temple, Suite 3710
SLC, UT 84114-5610
538-5535

1. Administering State Agency Oil, Gas and Mining 1594 West North Temple, Suite 1210 Salt Lake City, UT 84114-5801	2. Approximate date project will start: Upon Approval or December 1, 2003
3. Areawide clearinghouse(s) receiving state action: (to be sent out by agency in block 1) Uintah Basin Association of Governments	
4. Type of action: / / Lease /X/ Permit / / License / / Land Acquisition / / Land Sale / / Land Exchange / / Other _____	
5. Title of proposed action: Application for Permit to Drill	
6. Description: Pannonian Energy, Inc. proposes to drill the Gate Canyon 41-20-11-15 well (wildcat) on State lease ML 90001-OBA, Duchesne County, Utah. This action is being presented to the RDCC for consideration of resource issues affecting state interests. The Division of Oil, Gas and Mining is the primary administrative agency in this action and must issue approval before operations commence.	
7. Land affected (site location map required) (indicate county) – include UTM coordinates where possible 581' FNL, 646' FEL NE/4, NE/4, Section 20, Township 11 South, Range 15 East, Duchesne County, Utah	
8. Jordan River Natural Areas Forum review – If the proposed action affects lands within the Jordan River Natural Areas Corridor. N/A	
9. Has the local government(s) been contacted? No If yes, a. How was contact made? b. Who was contacted? c. What was the response? d. If no response, how is the local government(s) likely to be impacted?	
10. Possible significant impacts likely to occur: Degree of impact is based on the discovery of oil or gas in commercial quantities.	
11. Name and phone of district representative from your agency near project site, if applicable: N/A	
12. For further information, contact: Diana Mason Phone: (801) 538-5312	13. Signature and title of authorized officer  John R. Baza, Associate Director Date: August 18, 2003

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT ☐
(highlight changes)

APPLICATION FOR PERMIT TO DRILL			5. MINERAL LEASE NO: ML 90001-OBA	6. SURFACE: State
1A. TYPE OF WORK: DRILL <input checked="" type="checkbox"/> REENTER <input type="checkbox"/> DEEPEN <input type="checkbox"/>			7. IF INDIAN, ALLOTTEE OR TRIBE NAME:	
B. TYPE OF WELL: OIL <input type="checkbox"/> GAS <input checked="" type="checkbox"/> OTHER _____ SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>			8. UNIT or CA AGREEMENT NAME:	
2. NAME OF OPERATOR: Pannonian Energy, Inc. (A wholly owned subsidiary of Gasco Energy, Inc.)			9. WELL NAME and NUMBER: GATE CANYON 41-20-11-15	
3. ADDRESS OF OPERATOR: 14 Inverness Dr. E. Ste. _____ CITY Englewood STATE CO ZIP 80112			10. FIELD AND POOL, OR WILDCAT:	
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: 581' FNL, 646' FEL 4410953 Y 39.84833 AT PROPOSED PRODUCING ZONE: SAME 554130 Y -110.25039			11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NENE 20 11S 15E S	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: 28.24 MILES SOUTHWEST OF MYTON, UTAH			12. COUNTY: DUCHESNE	13. STATE: UTAH
15. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET) 581'	16. NUMBER OF ACRES IN LEASE: 640	17. NUMBER OF ACRES ASSIGNED TO THIS WELL:		
18. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET)	19. PROPOSED DEPTH: 11,700	20. BOND DESCRIPTION: 4127763 BLANKET DRILLING BOI		
21. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.): 6569.1 FEET GRADED GROUND	22. APPROXIMATE DATE WORK WILL START: 12/1/2003	23. ESTIMATED DURATION: 45 days		

24. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	CASING SIZE, GRADE, AND WEIGHT PER FOOT	SETTING DEPTH	CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT
17 1/2"	13 3/8" H-40 54#	320	SEE 8 POINT PLAN
11"	8 5/8" J-55 32#	3,100	SEE 8 POINT PLAN
7 7/8 "	4 1/2" P-110 13.5#	11,700	SEE 8 POINT PLAN

25. ATTACHMENTS

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES:

- | | |
|--|--|
| <input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER | <input checked="" type="checkbox"/> COMPLETE DRILLING PLAN |
| <input checked="" type="checkbox"/> EVIDENCE OF DIVISION OF WATER RIGHTS APPROVAL FOR USE OF WATER | <input type="checkbox"/> FORM 5, IF OPERATOR IS PERSON OR COMPANY OTHER THAN THE LEASE OWNER |

NAME (PLEASE PRINT) Ed Trotter TITLE Agent
SIGNATURE [Signature] DATE 8/1/2003

(This space for State use only)

API NUMBER ASSIGNED: 43-013-32475

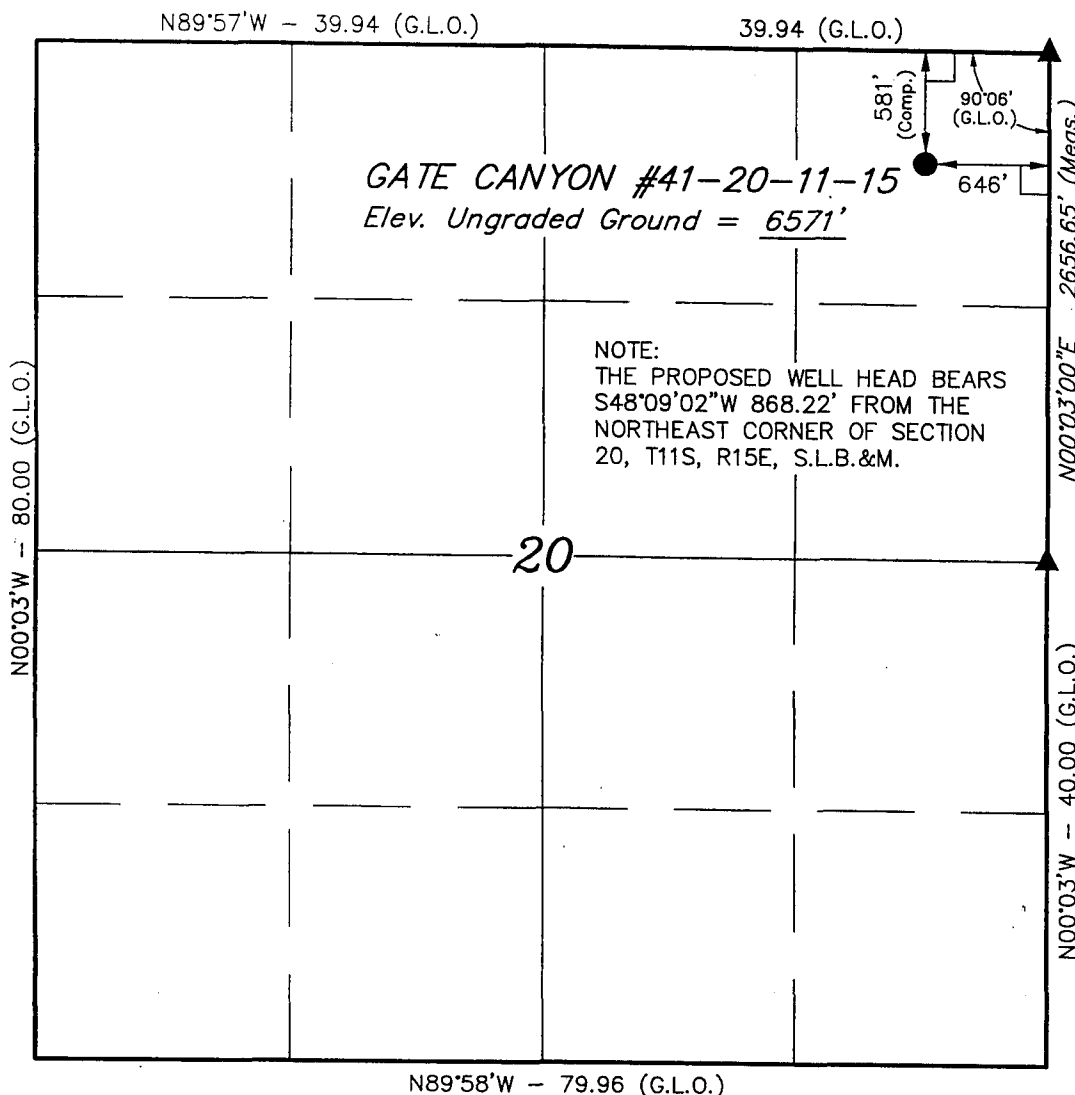
APPROVAL:

RECEIVED
AUG 14 2003
DIV. OF OIL, GAS & MIN.

T11S, R15E, S.L.B.&M.

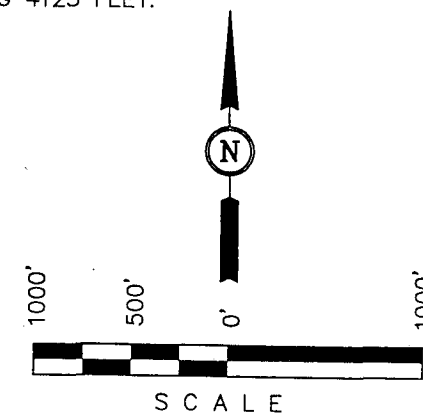
PANNONIAN ENERGY, INC.

Well location, GATE CANYON #41-20-11-15, located as shown in the NE 1/4 NE 1/4 of Section 20, T11S, R15E, S.L.B.&M., Duchesne County, Utah.



BASIS OF ELEVATION

TRIANGULATION STATION (NINE) LOCATED IN THE SW 1/4 SW 1/4 OF SECTION 1, T12S, R15E, S.L.B.&M. TAKEN FROM THE COWBOY BENCH QUADRANGLE, UTAH, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 4123 FEET.



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

Robert L. Hays
REGISTERED LAND SURVEYOR
REGISTRATION NO. 161319
STATE OF UTAH

LEGEND:

- └─┘ = 90° SYMBOL
- = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.

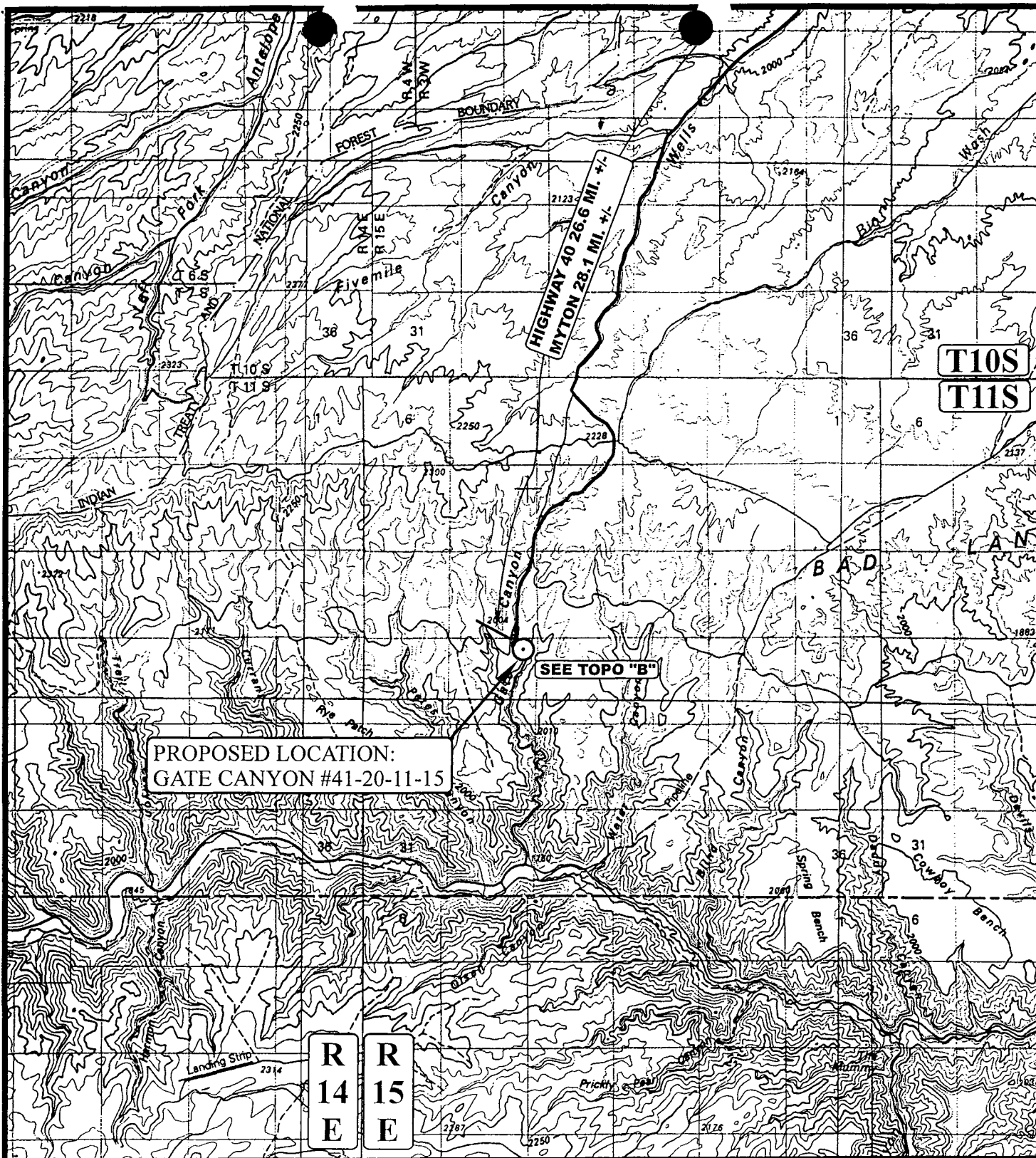
BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.

(AUTONOMOUS NAD 83)
LATITUDE = 39°50'54.11" (39.848364)
LONGITUDE = 110°15'04.61" (110.251281)

UINTAH ENGINEERING & LAND SURVEYING
85 SOUTH 200 EAST - VERNAL, UTAH 84078
(435) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 02-06-03	DATE DRAWN: 02-07-03
PARTY B.B. M.P. D.R.B.	REFERENCES G.L.O. PLAT	
WEATHER COLD	FILE PANNONIAN ENERGY, INC.	



LEGEND:

○ PROPOSED LOCATION



Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813



PANNONIAN ENERGY INC.

GATE CANYON #41-20-11-15
SECTION 20, T11S, R15E, S.L.B. & M.
581' FNL 646' FEL

TOPOGRAPHIC
MAP

2 7 03
MONTH DAY YEAR

SCALE: 1 : 100,000 DRAWN BY: J.L.G. REVISED: 00-00-00



MEMORANDUM

DATE: August 26, 2003

TO: Utah Division of Oil, Gas and Mining

FROM: Utah Geological Survey, Environmental Sciences Program

SUBJECT: UGS comments on RDCC Short Turn Around items 3182-3183

3182. Division of Oil, Gas and Mining, Short Turn Around Drilling Permit, Sec. 20, T11S, R15E, Duchesne County, Application for Permit to Drill - Proposal to drill a wildcat well, the Gate Canyon 41-20-11-15 on State lease ML 90001-OBA.

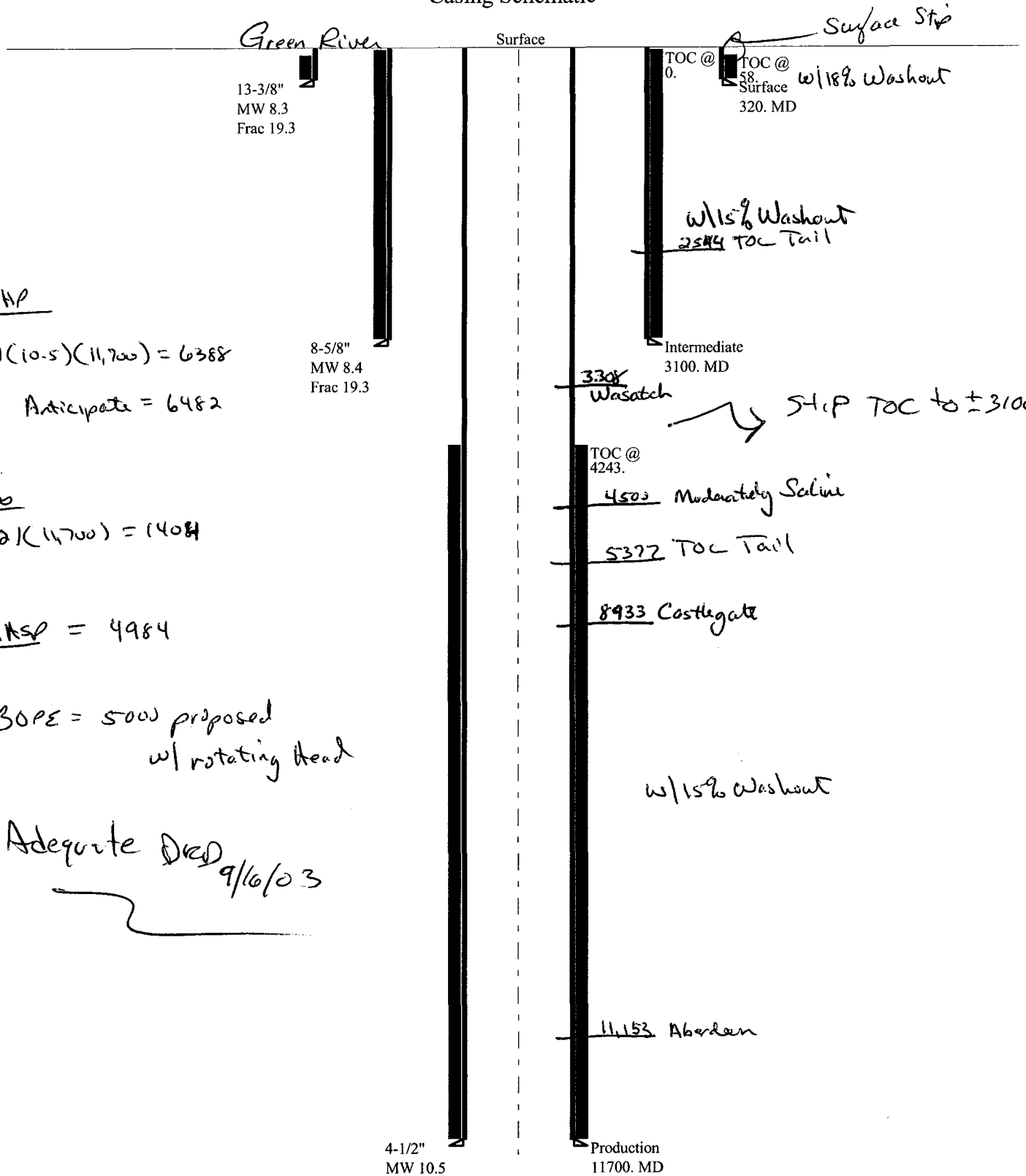
Although there are no paleontological localities recorded in this project area, there are exposures of the Eocene Green River Formation throughout the project area that have the potential for yielding significant vertebrate fossil localities. The office of the State Paleontologist therefore recommends that a paleontological evaluation of this project be conducted.

3183. Division of Oil, Gas and Mining, Short Turn Around Drilling Permit, Sec. 24, T4S, R4W, Duchesne County, Application for Permit to Drill - Proposal to drill a wildcat well, the Moon KMV 1-24 on Fee lease.

Although there are no paleontological localities recorded in this project area, there are exposures of the Eocene Uinta Formation throughout the project area that have the potential for yielding significant vertebrate fossil localities. The office of the State Paleontologist therefore recommends that a paleontological survey of this project be conducted.

09-03 Pannonion Gate Cyn 41-20-11-15

Casing Schematic



Well name:

09-03 Pannonion Gate Cyn 41-20-11-15Operator: **Pannonion Energy Inc.**String type: **Surface**

Project ID:

43-013-32475Location: **D****Design parameters:****Collapse**

Mud weight: 8.300 ppg

Design is based on evacuated pipe.

Minimum design factors:**Collapse:**

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No

Surface temperature: 75 °F

Bottom hole temperature: 79 °F

Temperature gradient: 1.40 °F/100ft

Minimum section length: 250 ft

Cement top: 58 ft

Burst

Max anticipated surface pressure:

282 psi

Internal gradient: 0.120 psi/ft

Calculated BHP 320 psi

No backup mud specified.

Tension:

8 Round STC: 1.80 (J)

8 Round LTC: 1.80 (J)

Buttress: 1.60 (J)

Premium: 1.50 (J)

Body yield: 1.50 (B)

Tension is based on buoyed weight.

Neutral point: 281 ft

Non-directional string.

Re subsequent strings:

Next setting depth: 3,100 ft

Next mud weight: 8.400 ppg

Next setting BHP: 1,353 psi

Fracture mud wt: 19.250 ppg

Fracture depth: 320 ft

Injection pressure 320 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	320 ✓	13.375	48.00 ✓	H-40 ✓	ST&C	320	320	12.59	30.1
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	138	740	5.363 ✓	320	1730	5.41 ✓	13	322	23.86 J ✓

Prepared Clinton Dworshak
by: Utah Div. of Oil & MiningPhone: 801-538-5280
FAX: 801-359-3940Date: September 5, 2003
Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 320 ft, a mud weight of 8.3 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

Well name:

09-03 Pannonion Gate Cyn 41-20-11-15

Operator: Pannonion Energy Inc.

String type: Intermediate

Project ID:

43-013-32475

Location: D

Design parameters:**Collapse**

Mud weight: 8.400 ppg

Design is based on evacuated pipe.

Minimum design factors:**Collapse:**

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No

Surface temperature: 75 °F

Bottom hole temperature: 118 °F

Temperature gradient: 1.40 °F/100ft

Minimum section length: 320 ft

Cement top: Surface

Burst

Max anticipated surface pressure: 2,728 psi

Internal gradient: 0.120 psi/ft

Calculated BHP 3,100 psi

No backup mud specified.

Tension:

8 Round STC: 1.80 (J)

8 Round LTC: 1.80 (J)

Buttress: 1.60 (J)

Premium: 1.50 (J)

Body yield: 1.50 (B)

Tension is based on buoyed weight.

Neutral point: 2,713 ft

Non-directional string.

Re subsequent strings:

Next setting depth: 7,565 ft

Next mud weight: 10.500 ppg

Next setting BHP: 4,126 psi

Fracture mud wt: 19.250 ppg

Fracture depth: 3,100 ft

Injection pressure 3,100 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	3100 ✓	8.625 ✓	32.00 ✓	J-55 ✓	ST&C	3100	3100	7.875	196.9
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	1353	2530	1.871 ✓	3100	3930	1.27 ✓	87	372	4.29 J ✓

Prepared Clinton Dworshak
by: Utah Div. of Oil & MiningPhone: 801-538-5280
FAX: 801-359-3940Date: September 5, 2003
Salt Lake City, Utah**Remarks:**

Collapse is based on a vertical depth of 3100 ft, a mud weight of 8.4 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

Well name:

09-03 Pannonion Gate Cyn 41-20-11-15Operator: **Pannonion Energy Inc.**String type: **Production**

Project ID:

43-013-32475Location: **D****Design parameters:****Collapse**

Mud weight: 10.500 ppg

Design is based on evacuated pipe.

Minimum design factors:**Collapse:**

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No

Surface temperature: 75 °F

Bottom hole temperature: 239 °F

Temperature gradient: 1.40 °F/100ft

Minimum section length: 1,500 ft

Cement top: 4,243 ft

Burst

Max anticipated surface pressure:

4,978 psi

Internal gradient:

0.120 psi/ft

Calculated BHP

6,382 psi

No backup mud specified.

Tension:

8 Round STC: 1.80 (J)

8 Round LTC: 1.80 (J)

Buttress: 1.60 (J)

Premium: 1.50 (J)

Body yield: 1.50 (B)

Non-directional string.

Tension is based on buoyed weight.

Neutral point: 9,887 ft

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	11700 ✓	4.5 ✓	13.50 ✓	P-110 ✓	LT&C ✓	11700	11700	3.795	311.6
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	6382	10680	1.674 ✓	6382	12410	1.94 ✓	133	338	2.53 J ✓

Prepared Clinton Dworshak
by: Utah Div. of Oil & MiningPhone: 801-538-5280
FAX: 801-359-3940Date: September 5, 2003
Salt Lake City, Utah**Remarks:**

Collapse is based on a vertical depth of 11700 ft, a mud weight of 10.5 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

1594 West North Temple, Suite 1210
PO Box 145801
Salt Lake City, Utah 84114-5801
(801) 538-5340 telephone
(801) 359-3940 fax
(801) 538-7223 TTY
www.nr.utah.gov

Michael O. Leavitt
Governor
Robert L. Morgan
Executive Director
Lowell P. Braxton
Division Director

October 14, 2003

Pannonian Energy, Inc.
14 Inverness Dr. East, Ste. H-236
Englewood, CO 80112

Re: Gate Canyon 41-20-11-15 Well, 581' FNL, 646' FEL, NE NE, Sec. 20, T. 11 South,
R. 15 East, Duchesne County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-32475.

Sincerely,

(for) John R. Baza
Associate Director

pab
Enclosures

cc: Duchesne County Assessor
SITLA

Operator: Pannonian Energy, Inc.
Well Name & Number Gate Canyon 41-20-11-15
API Number: 43-013-32475
Lease: ML 90001-OBA

Location: NE NE Sec. 20 T. 11 South R. 15 East

Conditions of Approval

1. **General**

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. **Notification Requirements**

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- 24 hours prior to cementing or testing casing
- 24 hours prior to testing blowout prevention equipment
- 24 hours prior to spudding the well
- within 24 hours of any emergency changes made to the approved drilling program
- prior to commencing operations to plug and abandon the well

The following are Division of Oil, Gas and Mining contacts and their work telephone numbers (please leave a voice mail message if the person is not available to take the call):

- Dan Jarvis at (801) 538-5338
- Carol Daniels at (801) 538-5284 (spud)

3. **Reporting Requirements**

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. Compliance with the State of Utah Antiquities Act forbids disturbance of archeological, historical, or paleontological remains. Should archeological, historical or paleontological remains be encountered during your operations, you are required to immediately suspend all operations and immediately inform the Trust Lands Administration and the Division of State History of the discovery of such remains.
5. Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis. (Copy Attached)
6. Surface casing shall be cemented to the surface.

7. Cement volume for the 4.5" production string shall be determined from actual hole diameter in order to place cement from the pipe setting depth back to $\pm 3100'$ MD as indicated in the submitted drilling plan.
8. This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.
9. Operator shall comply with applicable recommendations resulting from Resource Development Coordinating Committee review. Statements attached.

**Application for Permit to Drill
Request for Permit Extension
Validation**

(this form should accompany the Sundry Notice requesting permit extension)

API: 43-013-32475

Well Name: Gate Canyon #41-20-11-15

Location: 581' FNL and 646' FEL, NE NE, Sec. 20, T11S - R15E, Duchesne, County

Company Permit Issued to: GASCO Energy, Inc./Pannonian Energy, Inc.

Date Original Permit Issued: 10/14/2003

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.

If location on private land, has the ownership changed, if so, has the surface agreement been updated? Yes ☐ No ☒

Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes ☐ No ☒

Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes ☐ No ☒

Have there been any changes to the access route including ownership, or right-of-way, which could affect the proposed location? Yes ☐ No ☒

Has the approved source of water for drilling changed? Yes ☐ No ☒

Have there been any physical changes to the surface location or access route which would require a change in plans from what was discussed at the onsite evaluation? Yes ☐ No ☒

Is bonding still in place, which covers this proposed well? Yes ☒ No ☐



Lisa Smith - Permitco Inc.

February 11, 2004

Date

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FEB 13 2004

DIV. OF OIL, GAS & MINING

Title Consultant for GASCO Energy, Inc./Pannonian Energy, Inc.

Q05

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells. Use APPLICATION FOR PERMIT – for such proposals		6. Lease Designation and Serial Number ML-90001-OBA
		7. Indian Allottee or Tribe Name N/A
		8. Unit or Communitization Agreement N/A
1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other (specify)		9. Well Name and Number Gate Canyon #41-20-11-15
2. Name of Operator GASCO Energy, Inc./Pannonian Energy, Inc.		10. API Well Number 43-013-32475
3. Address of Operator 14 Inverness Drive East, Suite #H236, Englewood, CO 80112	4. Telephone Number 303/483-0044	11. Field and Pool, or Wildcat Wildcat
5. Location of Well Footage : 581' FNL and 646' FEL County : Duchesne QQ, Sec, T., R., M. : NE NE Section 20, T11S - R15E State : Utah		
12. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		

NOTICE OF INTENT
 (Submit in Duplicate)

- | | |
|---|---|
| <input type="checkbox"/> Abandonment | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Recompletion |
| <input type="checkbox"/> Conversion to Injection | <input type="checkbox"/> Shoot or Acidize |
| <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Multiple Completion | <input type="checkbox"/> Water Shut-Off |
| <input checked="" type="checkbox"/> Other <u>Request 1 year extension of APD</u> | |

Approximate Date Work Will Start _____

SUBSEQUENT REPORT
 (Submit Original Form Only)

- | | |
|--|---|
| <input type="checkbox"/> Abandonment * | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Shoot or Acidize |
| <input type="checkbox"/> Conversion to Injection | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Other _____ | |

Date of Work Completion _____

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.

* Must be accompanied by a cement verification report.

13. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Gasco Energy, Inc./Pannonian Energy, Inc. requests a one year extension of the subject APD.

**Approved by the
 Utah Division of
 Oil, Gas and Mining**

 Date: 03-08-04

 By: [Signature]

COPY SENT TO OPERATOR
 Date: 3-11-04
 Initials: CHD

14. I hereby certify that the foregoing is true and correct.

 Name & Signature [Signature]

(State Use Only)

Consultant for

 Title GASCO Energy, Inc./Pannonian Energy, Inc.

 Date 03/05/04

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MAR 08 2004

DIV. OF OIL, GAS & MINING

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Request to Transfer Application or Permit to Drill

(This form should accompany a Sundry Notice, Form 9, requesting APD transfer)

Well name:	Gate Canyon State 41-20-11-15
API number:	43-013-32475
Location:	Oil-Gin. MENE Section 20 Township 11S Range 15E
Company that filed original application:	Pannanion Energy, Inc.
Date original permit was issued:	3/8/04
Company that permit was issued to:	Pannanion Energy, Inc.

Check one	Desired Action:
<input type="checkbox"/>	Transfer pending (unapproved) Application for Permit to Drill to new operator
	The undersigned as owner with legal rights to drill on the property, hereby verifies that the information as submitted in the pending Application for Permit to Drill, remains valid and does not require revision. The new owner of the application accepts and agrees to the information and procedures as stated in the application.
<input checked="" type="checkbox"/>	Transfer approved Application for Permit to Drill to new operator
	The undersigned as owner with legal rights to drill on the property as permitted, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.	Yes	No
If located on private land, has the ownership changed? <u>N/A</u>		
If so, has the surface agreement been updated?		
Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location?		<input checked="" type="checkbox"/>
Have there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well?		<input checked="" type="checkbox"/>
Have there been any changes to the access route including ownership or right-of-way, which could affect the proposed location?		<input checked="" type="checkbox"/>
Has the approved source of water for drilling changed?		<input checked="" type="checkbox"/>
Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation?		<input checked="" type="checkbox"/>
Is bonding still in place, which covers this proposed well? Bond No. <u>4127763</u>	<input checked="" type="checkbox"/>	

Any desired or necessary changes to either a pending or approved Application for Permit to Drill that is being transferred, should be filed on a Sundry Notice, Form 9, or amended Application for Permit to Drill, Form 3, as appropriate, with necessary supporting information as required.

RECEIVED
APR 22 2004
DIV. OF OIL, GAS & MINING

Name (please print) <u>Mark J. Evans</u>	Title <u>Land Manager</u>
Signature <u>[Signature]</u>	Date <u>4/20/04</u>
Representing (company name) <u>Gasco Production Company</u>	

The person signing this form must have legal authority to represent the company or individual(s) to be listed as the new operator on the Application for Permit to Drill.

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL

OIL WELL ☐

GAS WELL ☒

OTHER _____

2. NAME OF OPERATOR:

Gasco Production Company *N2575*

3. ADDRESS OF OPERATOR:

114 Inverness Dr. East CITY Englewood STATE CO ZIP 80112

PHONE NUMBER:

(303) 483-0044

4. LOCATION OF WELL

FOOTAGES AT SURFACE:

COUNTY:

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:

STATE:

UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>name change</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Pannonian Energy, Inc. changed its name to Gasco Production Company effective February 24, 2004

N1815

BLM Bond = UT1233

SITLA Bond = 4127764

RECEIVED

APR 22 2004

DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT)

Mark J. Choury

TITLE

Land Manager

SIGNATURE

Mark J. Choury

DATE

4/20/04

(This space for State use only)

WELL NAME	API #	LOCATION	COUNTY	Status
Federal 23-29 #1	43-047-34111	NESW, Sec. 29, T9S, R19E	Uintah	P
Federal 42-29-9-19	43-047-34202	SENE, Sec. 29, T9S, R19E	Uintah	P
Lytham Federal 22-22-9-19	43-047-34607	SENW, Sec. 22, T9S, R19E	Uintah	P
Federal 32-31-9-19	43-047-34201	SWNE, Sec. 31, T9S, R19E	Uintah	P
Alger Pass Unit #1	43-047-31824	SWNE, Sec. 2, T11S, R19E	Uintah	P
Gate Canyon State 31-21-11-15	43-013-32391	NWNE, Sec. 21, T11S, R15E	Duchesne	DRL
Wilkin Ridge State 12-32-10-17	43-013-32447	SWNW, Sec. 32, T10S, R17E	Duchesne	DRL
Willow Creek # 2	43-047-31818	SESW, Sec. 5, T11S, R20E	Uintah	TA
Hill Federal #1-10	43-047-31026	NESW, Sec. 10, T11S, R20E	Uintah	TA
Federal 23-21-9-19	43-047-34199	NESW, Sec. 21, T9S, R19E	Uintah	P
Federal 43-30-9-19	43-047-35343	NESE, Sec. 30, T9S, R19E	Uintah	APD
Gate Canyon State 41-20-11-15	43-013-32475	NENE, Sec. 20, T11S, R15E	Duchesne	APD
Federal 11-21-9-19	43-047-34608	NWNW, Sec. 21, T9S, R19E	Uintah	APD
Federal 11-22-9-19	43-047-35404	NWNW, Sec. 22, T9S, R19E	Uintah	APD
Federal 22-30-10-18	43-047-34924	SENW, Sec. 30, T10S, R18E	Uintah	APD
State 24-16-9-19	43-047-35588	SESW, Sec. 16, T9S, R19E	Uintah	NEW
Lafkas Federal 1-3	43-0473-31178	SWSW, Sec. 3, T11S, R20E	Uintah	S
Federal 21-6-9-19	43-047-34813	NENW, Sec. 6, T9S, R19E	Uintah	APD
Federal 42-21-9-19	43-047-35405	SENE, Sec. 21, T9S, R19E	Uintah	APD
Federal 31-21-9-19	43-047-35606	NWNE, Sec. 21, T9S, R19E	Uintah	APD
Federal 41-31-9-19	43-047-35624	NENE, Sec. 31, T9S, R19E	Uintah	APD
Federal 24-31-9-19	43-047-35623	SESW, Sec. 31, T9S, R19E	Uintah	NEW
Wilkin Ridge Federal 34-17-10-17	43-013-32560	SWSE, Sec. 17, T10S, R17E	Duchesne	APD

RECEIVED
APR 30 2004
DIV. OF OIL, GAS & MIN.

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

ROUTING	
1. GLH	
2. CDW	
3. FILE	

006

Change of Operator (Well Sold)

Designation of Agent/Operator

X Operator Name Change

Merger

The operator of the well(s) listed below has changed, effective:

2/24/2004

FROM: (Old Operator): N1815-Pannonian Energy, Inc. 114 Inverness Dr E Englewood, CO 80112 Phone: 1-(303) 483-0044	TO: (New Operator): N2575-Gasco Production Company 114 Inverness Dr E Englewood, CO 80112 Phone: 1-(303) 483-0044
--	---

CA No.

Unit:

WELL(S)

NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS	
K GATE CYN 31-21-11-15	21	110S	150E	4301332391	✓ 13787	State	GW	DRL	C
K GATE CYN 41-20-11-15	20	110S	150E	4301332475		State	GW	APD	
K WILKIN RIDGE STATE 12-32-10-17	32	100S	170E	4301332447	✓ 14033	State	GW	DRL	C
K STATE 24-16-9-19	16	090S	190E	4304735588		State	GW	NEW	C
o FED 23-21-9-19	21	090S	190E	4304734199	✓ 13601	Federal	GW	P	
K FED 11-21-9-19	21	090S	190E	4304734608		Federal	GW	APD	
K FED 42-21-9-19	21	090S	190E	4304735405		Federal	GW	APD	C
K FEDERAL 31-21-9-19	21	090S	190E	4304735606		Federal	GW	APD	C
K LYTHAM FED 22-22-9-19	22	090S	190E	4304734607	✓ 13640	Federal	GW	P	
K FED 11-22-9-19	22	090S	190E	4304735404		Federal	GW	APD	C
o FEDERAL 23-29 #1	29	090S	190E	4304734111	✓ 13441	Federal	GW	P	
o FEDERAL 42-29-9-19	29	090S	190E	4304734202	✓ 13455	Federal	GW	P	
K FEDERAL 43-30-9-19	30	090S	190E	4304735343		Federal	GW	APD	C
o FED 32-31-9-19	31	090S	190E	4304734201	✓ 13641	Federal	GW	P	
o FEDERAL 24-31-9-19	31	090S	190E	4304735623		Federal	GW	NEW	C
K FEDERAL 41-31-9-19	31	090S	190E	4304735624		Federal	GW	APD	C
K FEDERAL 21-6-10-19	06	100S	190E	4304734813		Federal	GW	LA	C
K FED 22-30-10-18	30	100S	180E	4304734924		Federal	GW	APD	C
o LAFKAS FED 1-3	03	110S	200E	4304731178	✓ 1367	Federal	GW	S	
o WILLOW CREEK UNIT 2	05	110S	200E	4304731818	✓ 11604	Federal	GW	TA	
o HILL FEDERAL 1-10	10	110S	200E	4304731026	✓ 1368	Federal	GW	TA	

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 4/22/2004
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 4/22/2004
3. The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 4/21/2004
4. Is the new operator registered in the State of Utah: YES Business Number: ***
5. If **NO**, the operator was contacted on: *** 4/21/2004

6. (R649-9-2) Waste Management Plan has been received on:

IN PLACE

7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM in process BIA

8. **Federal and Indian Units:**

The BLM or BIA has approved the successor of unit operator for wells listed on:

in process

9. **Federal and Indian Communization Agreements ("CA"):**

The BLM or BIA has approved the operator for all wells listed within a CA on:

n/a

10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: N/A

DATA ENTRY:

1. Changes entered in the **Oil and Gas Database** on:

4/29/2004

2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on:

4/29/2004

3. Bond information entered in RBDMS on:

N/A

4. Fee wells attached to bond in RBDMS on:

N/A

5. Injection Projects to new operator in RBDMS on:

n/a

6. Receipt of Acceptance of Drilling Procedures for APD/New on:

4/22/2004

STATE WELL(S) BOND VERIFICATION:

1. State well(s) covered by Bond Number:

4127764

FEDERAL WELL(S) BOND VERIFICATION:

1. Federal well(s) covered by Bond Number:

4127759

INDIAN WELL(S) BOND VERIFICATION:

1. Indian well(s) covered by Bond Number:

4127765

FEE WELL(S) BOND VERIFICATION:

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number

n/a

2. The **FORMER** operator has requested a release of liability from their bond on:

N/A

The Division sent response by letter on:

N/A

LEASE INTEREST OWNER NOTIFICATION:

3. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on:

N/A

COMMENTS:

This is a corporate name change within the same corporation and it's subsidiaries

DIVISION OF OIL, GAS AND MINING**SPUDDING INFORMATION**Name of Company: GASCO PRODUCTION COMPANYWell Name: GATE CYN 41-20-11-15Api No: 43-013-32475 Lease Type: STATESection 20 Township 11S Range 15E County DUCHESNEDrilling Contractor NABORS RIG # 611**SPUDDED:**Date 11/17/2004Time 1:00 PMHow ROTARY**Drilling will commence:** _____Reported by CRAIG OVERMILLERTelephone # 1-435-828-5751Date 11/18/2004 Signed CHD

API	Lease Name	Well Num	Location	Field Name
43047349220000	HILL CREEK NORTH	4-1-15-20	1 15S 20E NW	WILDCAT
43007308230000	PRICKLY PEAR UNIT FEDERAL	10-4	10 12S 14E SE SE SE	STONE CABIN
43047345520000	HILL CREEK NORTH	4-10-15-20	10 15S 20E C NW NW	UNNAMED
43047351410000*	HILL CREEK NORTH	2-10-15-20	10 15S 20E NE	WILDCAT
43047348300000	HILL CREEK NORTH	10-10-15-20	10 15S 20E SE	UNNAMED
43047351450000*	HILL CREEK NORTH	14-11-15-20	11 15S 20E N2 NW NW	WILDCAT
43047341330000	HILL CREEK NORTH	6-11-15-20	11 15S 20E NE SE NW	UNNAMED
43047353900000*	HILL CREEK NORTH	9-11-15-20	11 15S 20E SE	UNNAMED
43047349530000	HILL CREEK NORTH	14-11-15-20	11 15S 20E SW SE SW	UNNAMED
43047353570000*	HILL CREEK NORTH	5-12-15-20	12 15S 20E NW	FLAT ROCK
43047341860000	HILL CREEK NORTH	11-12-15-20	12 15S 20E SE NE SW	UNNAMED
43047352830000	HILL CREEK NORTH	2-12-15-20	12 15S 20E SE NW NE	WILDCAT
43007308250000	PRICKLY PEAR UNIT	13-4	13 12S 14E E2 W2 SE	STONE CABIN
43047349540000	HILL CREEK NORTH	8-13-15-20	13 15S 20E NW SE NE	WILDCAT
43047350540000	HILL CREEK NORTH	4-13-15-20	13 15S 20E SE NW NW	UNNAMED
43047349550000*	HILL CREEK NORTH	2-14-15-20	14 15S 20E NE NW NE	UNNAMED
43007309430000	PRICKLY PEAR UNIT-STATE	5-16	16 12S 15E NE SW NW	PRICKLY PEAR
43007309450000	PRICKLY PEAR UNIT STATE	7-16	16 12S 15E NW SW NE	PRICKLY PEAR
43007309440000	PRICKLY PEAR UNIT STATE	11-16	16 12S 15E SE NE SW	PRICKLY PEAR
43007309330000	PRICKLY PEAR UTAH STATE	13-16	16 12S 15E SE SW SW	NINE MILE CANYON
43007305220000	PRICKLY PEAR STATE	16-15	16 12S 15E SW SW SE	GREATER ANETH
43007305220001	PRICKLY PEAR	16-15	16 15S 21E NE SE SW	GREATER ANETH
43047340140000	TUMBLEWEED UNIT	14-16-15-21	16 15S 21E NE SE SW	WILDCAT
43007308260000	JACKS CANYON UNIT FEDERAL	18-3	18 12S 16E SE NW SW	WILDCAT
43013324750000	GATE CANYON	41-20-11-15	20 11S 15E NW NE NE	WILDCAT
43047341690000	FEDERAL	44-46-20-9-19	20 9S 19E SE SE SE	WILDCAT
43047341680000	FEDERAL	44-46-20-9-19	20 9S 19E SW SE SW	WILDCAT
43013323910000	GATE CANYON STATE	31-21-11-15	21 11S 15E SE NW NE	WILDCAT
43007308280000	PRICKLY PEAR UNIT	21-2	21 12S 15E NE SW NW	WILDCAT
43047341990000	FEDERAL	23-21-9-19	21 9S 19E NE NE SW	RIVER BEND
43047346080000	FEDERAL	11-21-9-19	21 9S 19E NW NW NW	PARIETTE BENCH
43047354050000	FEDERAL	42-21-9-19	21 9S 19E SW SE NE	PARIETTE BENCH
43047346070000	LYTHAM FEDERAL	22-22-9-19	22 9S 19E NE SE NW	PARIETTE BENCH
43047354040000	FEDERAL	11-22-9-19	22 9S 19E NW NW NW	PARIETTE BENCH
43007300180001	STONE CABIN	2-B-27	27 12S 15E NW SE NW	UNNAMED
43007308290000	PRICKLY PEAR UNIT	27-3	27 12S 15E SE NW SW	UNNAMED

* NO COMPLETION REPORT
NO SANDRIES

009

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 6

ENTITY ACTION FORM

Operator: Gasco Production Company
Address: 14 Inverness Drive E., Suite H-236
city Englewood
state CO zip 80112

Operator Account Number: N 2575
Phone Number: (303) 483-0044

Well 1

API Number	Well Name	QQ	Sec	Twp	Rng	County
013-32475	Gate Canyon 41-20-11-15	NENE	20	11S	15E	Duchesne
Action Code	Current Entity Number	New Entity Number	Spud Date	Entity Assignment Effective Date		
A	99999	14417	11/18/2004	12/6/04		
Comments: New Drill <u>CSLGT</u>						

K

Well 2

API Number	Well Name	QQ	Sec	Twp	Rng	County
047-35588	State 24-16-9-19	SESW	16	9S	19E	Uintah
Action Code	Current Entity Number	New Entity Number	Spud Date	Entity Assignment Effective Date		
A	99999	14418	10/26/2004	12/6/04		
Comments: New Drill <u>CSLGT</u>						

K

CONFIDENTIAL

Well 3

API Number	Well Name	QQ	Sec	Twp	Rng	County
047-35624	Federal 41-31-9-19	NENE	31	9S	19E	Uintah
Action Code	Current Entity Number	New Entity Number	Spud Date	Entity Assignment Effective Date		
A	99999	14419	11/20/2004	12/6/04		
Comments: New Drill <u>CSLGT</u>						

K

CONFIDENTIAL

ACTION CODES:

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (Explain in 'comments' section)

Mari A. Johnson

Name (Please Print)

Signature

Manager-Property Admin

Title

11/22/2004

RECEIVED
DEC 1 2004



CONFIDENTIAL

RECEIVED

MAR 01 2005

DIV. OF OIL, GAS & MINING

Division of Oil, Gas & Mining
1594 West North Temple, Suite 1210
Salt Lake City, UT 84114-5801

Attn: Carol Daniels

February 24, 2005

Dear Ms Daniels:

Gasco Production Company (Pannonian Energy) will soon be drilling the Gate Canyon
~~State~~ 41-20-11-15, NENE 20-11S-15E, Duchesne County, Utah. The API Number for
this well is 43-~~047~~-32475.

0/3

Gasco wishes to keep all information on this well CONFIDENTIAL for as long a period
as possible.

Yours truly,

Robin Dean
Senior Geologist
Gasco Energy, Inc.

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

039

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NUMBER: ML-90001-OBA
2. NAME OF OPERATOR: GASCO ENERGY INC		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: NA
3. ADDRESS OF OPERATOR: 14 INVERNESS DRIVE E, CITY ENGLEWOOD STATE CO ZIP 80112		7. UNIT or CA AGREEMENT NAME: NA
4. LOCATION OF WELL FOOTAGES AT SURFACE: 581' FNL X 646' FEL		8. WELL NAME and NUMBER: GATE CANYON #41-20-11-15
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NENE 20 11S 15E		9. API NUMBER: 4301332475
COUNTY: DUCHESNE		10. FIELD AND POOL, OR WILDCAT: WILDCAT
STATE: UTAH		

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: 4/20/2005	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion:	<input type="checkbox"/> ALTER CASING	<input checked="" type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input checked="" type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER:
	<input type="checkbox"/> CONVERT WELL TYPE	<input checked="" type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Recomplete Gate Canyon 41-20-11-15. Commingle production from Mesaverde and Wasatch.

Perf Lower Mesaverde 9202-9470. Frac with 57000# RC SD X 82000# SD X 20412 GAL SLICKWATER X 78000 GAL YF118ST X 24000 GAL WF118 @ 55 BPM.

Perf Lower Mesaverde 9102-9148. Frac with 70700# RC SD X 62700# SD X 15352 GAL SLICKWATER X 69000 GAL YF118ST X 17000 GAL WF118 @ 55 BPM.

Perf Upper Mesaverde 7836-7856. Frac with 50500# SD X 14596 GAL SLICKWATER X 25200 GAL YF118ST @ 30 BPM.

Perf Wasatch 5884-5898. Frac with 79500# SD X 13430 GAL SLICKWATER X 32000 GAL YF118ST @ 40 BPM.

If allocation to each formation is necessary, production logs will be run.

Attachments:

1. Exhibit showing location of all wells on contiguous oil and gas leases or drilling units overlying the pools.
2. Affidavit showing that the operator has provided a copy of the application to the owners of all contiguous oil and gas leases or drilling units overlying the pools.

(Verbal approval received from D. Doucet, UDOGM, 4/5/05)

NAME (PLEASE PRINT) Anthony W. Sharp TITLE Senior Engineer

SIGNATURE DATE 4/19/2005

(This space for State use only)

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING
DATE 5/18/05
(See Instructions on Reverse Side)

COPY SENT TO OPERATOR
Date: 5-19-05
Initials: CMO

RECEIVED

APR 26 2005

DIV. OF OIL, GAS & MINING

17

EOG 37.5%
DOMINION 37.5%
GASCO 18.75%
BREK 6.25%

UTU-76810

EOG 37.5%
DOMINION 37.5%
GASCO 18.75%
BREK 6.25%

ML-47067

16

GASCO PRODUCTION
COMPANY EARNED
STATE OF UTAH LEASE
BY DRILLING

GATE CANYON 41-20-11-15



GASCO
PRODUCTION
COMPANY 100%

ML-49308

20

21

Gasco Leases



GASCO
Energy
Company

Gasco Fed 41-20-11-15
40Acre offsets (Commingled Wasatch/Mesaverde)

Author:		Date:
		19 April, 2005
Scale:		
"as is"		

Mark Choury

From: Anne McFadden [anne@dacostacorp.com]
Sent: Friday, April 22, 2005 3:00 PM
To: Mark Choury
Cc: Rick Jeffs; Susan Jeffs
Subject: RE: Gate Canyon 41-20-11-15 - Commingling of the Wasatch and Mesaverde formations

Mark,

Brek Petroleum Inc. has no objection to the commingling of production from the Wasatch and Mesaverde formations re: Gate Canyon 41-20-11-15.

Anne McFadden
Brek Petroleum Inc.

-----Original Message-----

From: Mark Choury [mailto:mchoury@gascoenergy.com]
Sent: Thursday, April 21, 2005 1:59 PM
To: anne@dacostacorp.com
Subject: FW: Gate Canyon 41-20-11-15 - Commingling of the Wasatch and Mesaverde formations

Anne,
Any possibility of getting an email response on this today? I've gotten the okay from Dominion and EOG.

From: Mark Choury
Sent: Wednesday, April 20, 2005 9:50 AM
To: Bob Davis (bob_davis@eogresources.com); Anne McFadden (anne@dacostacorp.com); Rick Jeffs (rick@jeffsco.com); Rusty Waters (russell_r_waters@dom.com)
Subject: Gate Canyon 41-20-11-15 - Commingling of the Wasatch and Mesaverde formations

Gasco Production Company will be completing the captioned well in the next couple of days. UDOGM has requested that we provide them with a sundry notice stating that we will commingle production from the Wasatch and Mesaverde formations. As all of you are the offsetting owners, would you please acknowledge that you have no objection to the commingling by responding to this email.

I have attached a copy of the sundry notice and the lease ownership plat.

Thank you.

4/22/2005

Mark Choury

From: Bob_Davis@eogresources.com
Sent: Wednesday, April 20, 2005 2:50 PM
To: Mark Choury
Cc: anne@dacostacorp.com; rick@jeffsco.com; russell_r_waters@dom.com
Subject: Re: Gate Canyon 41-20-11-15 - Commingling of the Wasatch and Mesaverde formations



SCAN1611_000.pdf
(117 KB)

EOG Resources has no objection. RG

Bob Davis, CPL
EOG Resources, Inc.
600 17th Street, Suite 1100N
Denver, CO 80202
303-824-5428
303-824-5401 (fax)
303-638-2526 (cell)

"Mark Choury"
<mchoury@gascoene
rgy.com>

04/20/2005 09:50
AM

<bob_davis@eogresources.com>,
<anne@dacostacorp.com>,
<rick@jeffsco.com>,
<russell_r_waters@dom.com>

To

cc

Subject

Gate Canyon 41-20-11-15 -
Commingling of the Wasatch and
Mesaverde formations

Gasco Production Company will be completing the captioned well in the next couple of days. UDOGM has requested that we provide them with a sundry notice stating that we will commingle production from the Wasatch and Mesaverde formations. As all of you are the offsetting owners, would you please acknowledge that you have no objection to the commingling by responding to this email.

I have attached a copy of the sundry notice and the lease ownership plat.

Thank you. (See attached file: SCAN1611_000.pdf)

Mark Choury

From: Russell_R_Waters@dom.com
Sent: Wednesday, April 20, 2005 1:16 PM
To: Mark Choury
Cc: anne@dacostacorp.com; bob_davis@eogresources.com; rick@jeffsco.com; russell_r_waters@dom.com
Subject: Re: Gate Canyon 41-20-11-15 - Commingling of the Wasatch and Mesaverde formations



SCAN1611_000.pdf
(117 KB)

Dominion has no objection.

Russell R. Waters
Land Manager-Rocky Mountain Division
Onshore/Western U.S.-OKC
(405) 749-5282
(405) 749-6662 fax
86705282 tie line

"Mark Choury"
<mchoury@gascoene
<anne@dacostacorp.com>, <rick@jeffsco.com>, rgy.com>
To: <bob_davis@eogresources.com>, <russell_r_waters@dom.com>
cc:
04/20/2005 10:50 Subject: Gate Canyon 41-20-11-15 -
Commingling of the Wasatch and Mesaverde formations
AM

Gasco Production Company will be completing the captioned well in the next couple of days. UDOGM has requested that we provide them with a sundry notice stating that we will commingle production from the Wasatch and Mesaverde formations. As all of you are the offsetting owners, would you please acknowledge that you have no objection to the commingling by responding to this email.

I have attached a copy of the sundry notice and the lease ownership plat.

Thank you. (See attached file: SCAN1611_000.pdf)



CONFIDENTIAL

April 22, 2005

Utah Division of Oil, Gas & Mining
1594 W. North Temple, Suite 1210
Salt Lake City, UT 84114-5801
Attention: Mr. Dustin Doucet

**RE: Sundry Notice
Gate Canyon 41-20-11-15
Duchesne County, Utah**

Ladies/ Gentlemen:

Enclosed, please find an executed Form 9 for the captioned well along with a plat showing ownership in the contiguous drilling units and waiver letters from each of the offset working interest owners.

Yours very truly,

A handwritten signature in cursive script that reads "Mark J. Choury".

Mark J. Choury
Land Manager

RECEIVED

APR 26 2005

DIV. OF OIL, GAS & MINING

GASCO Energy
Drilling Report
Gate Canyon State #41-20-11-15
NWNE, Sec.20 , T11S,R15E
Duchesne County, Utah

43-013-32475

Gate Canyon State 41-20-11-15

Completion

- 4/19/05 Ran CBL and psi tested csg to 9000 psi, ok. Hooked up FB manifold.
- 4/21/05 RU SLB (Jason) and perforated **Stage 1 – Lower Mesaverde f/ 9202 – 05', 9240 – 42', 9261 – 64', 9300 – 03', 9317 – 20', 9466 – 70'**, 3 spf w/ 3 1/8" HiVolt guns, 21 gm Powerfrac chgs, .44 EHD, 24.9" pen. RU SLB (Red crew, Selwyn). Broke dn perfs @ 5023 psi @ 5 bpm. ISIP 3745. Calc 24 holes open/ 54. FG .84. Hybrid fraced Stage 1 w/ 101,000 # 20-40 reg white sd and 55,500# 20-40 Tempered DC sd, using 3235 bbls WF and YF 118. Flushed w/ 135 bbls. ISIP 3830. Opened well up to flowback @ 10:45 AM on 12/64" ck w/ 3650 SICP. Cleaned up wellbore. RU SLB (Jason) and start IH w/ plug and guns to perf Stage 2 – Lower Mesaverde. Stacked out @ 20' twice, and then got stuck there. Worked and flowed well to try to free. Finally came loose. POOH w/ broken FTFP. Tool was parted in middle of mandrel, with top portion of plug still intact. Got 2 pcs of comp mat in flowback line. Left well flowing for night. (SCE)
- 4/22/05 RU SLB slickline (Scott Pitt) and RIH w/ Baker sd line drill. Drilled up stuck plug @ 1' GL. Drilled up in 25 min and pushed dn hole. Had to drill and push until 3500'. Chased plug and tagged @ 9378'. POOH. Got stuck twice on the way out. RU electric line and RIH w/ junk basket. POOH and recovered handful of comp material. RIH w/ plug and guns to perf **Stage 2 – Lower Mesaverde**. Set FTFP #1 @ 9170'. Perf stg 2 f/ 9102 – 06', 9118 – 22', 9144 – 48', 3 spf as above. RU to frac Stg 2. Broke dn perfs @ 5243 psi @ 4.4 bpm. ISIP 3560. Calc 19 holes open/ 36. FG .82. Hybrid fraced Stage 2 w/ 62,700 # 20-40 reg white sd and 63,200# 20-40 Tempered DC sd, using 2400 bbls WF and YF 118. Flushed w/ 133.5 bbls. ISIP 3570. Opened well up to flowback @ 5:30 PM on 12/64" ck w/ 3300 SICP. (SCE) DC 15,139 (Completion) CC 15,139.
- 4/23/05 Well flowing this AM @ 850 FCP on 16/64" ck. Flowed 1002 bbls in 15 3/4 hrs. TR 2092. BLWTR 3543. SWI to **perforate Stage 3 – Upper Mesaverde**. Set FTFP #2 @ 7870'. Perf f/ 7836 – 40', 7852' – 56', 3 spf as above. . RU to frac Stg 3. Broke dn perfs @ 5000 psi. ISIP 3030. Calc 13 holes open/ 24. FG .82. Fraced Stage 3 w/ 48,404# 20-40 reg white sd, using 962 bbls YF 118. Flushed w/ 114.5 bbls. ISIP 3570. Opened well up to flowback @ 8:45 AM on 12/64" ck w/ 3200 SICP. Cleaned up wellbore and RIH w/ plug and guns to perf Stage 4 – Wasatch.

GASCO Energy
Drilling Report
Gate Canyon State #41-20-11-15
NWNE, Sec.20 , T11S,R15E
Duchesne County, Utah

43-013-32425

Set FTFP #3 @ 5915'. Perforated Wasatch f/ 5884 - 89', 5893 - 98', 3
spf as above. Pumped into perfs @ 2280 psi (no break). ISIP 3020. FG
.95. Calc 37 holes open / 30. Fraced Wasatch w/ 82,800 # 20-40 sd, using
1114 bbls YF 118 gel. Flushed csg w/ 86 bbls. ISIP 3205. Opened well
up to flowback @ 5:30 PM on 12/64" ck w/ 3300 SICP. (SCE) DC
338,823 (Completion) CC 353,962.

- 4/24/05 Well flowing this AM w/ 75 FCP on 20/64" ck. Fld 930 bbls in 20 ¾ hrs.
TR 3022. BLWTR 4688. Left well flowing to FB tk for weekend.
Released FB crew. Spot in Temples rig. (SCE) DC 25,482 CC 379,444
- 4/25/05 Well flowing this AM w/ 40 FCP on 20/64" ck. Fld 227 in 24 hrs. TR
3249. BLWTR 4461.
- 4/26/05 Well dead this AM. Fld 87 bbls in 24 hrs. TR 3336. BLWTR 4374. RU
Temples WS. ND frac tree. NU BOPE. RIH w/ 3 ¾" bit + Weatherford
POBS w/ float + 1 jt + XN nipple + 180 jts new, 2 3/8" N-80 tbg. Tagged
FTFP #3 @ 5915' (no sd). Pull up 2 jts and SDFN. Left well open to tk
for night - dead. (Rick w/ Premier). DC 4905 CC 384,349.
- 4/27/05 RU Weatherford air foam unit (f/ Rock Springs). RU power swivel. Drill
up FTFP #3 @ 5915'. RIH and drill up FTFP #2 @ 7870' (no sd). RIH
and drill up FTFP #1 @
- 4/28/05 0/1100. Tbg dead this AM. Flowed and air foamed 405 bbls. TR 3741.
BLWTR 3969. Broached tbg to SN. Swabbed all day. Left tbg open to
FB tk for night. DC 81314 CC 478,652
- 4/29/05 Fd 0/1600. Tbg barely whispering. Swabbed and flowed 125 bbls in 24
hrs. TR 3866. BLWTR 3844. Swabbed well in w/ 3 runs. Well died @
3:00 PM. Left open to tk for night. (Rick) DC 3737 CC 482,389
- 4/30/05 Fd 0/1550. Swabbed and flowed 140 bbls in 7 hrs. TR 4006. BLWTR
3704. Swabbed well in w/ 3 runs. Left well flowing to tk for night.

T115 R15E S20
43-013-32425

CONFIDENTIAL

[illegible]

T11S R15F S20 43-013-3245

[illegible]

CONFIDENTIAL

[illegible]

GASCO ENERGY
DAILY DRILLING AND COMPLETION REPORT

CONFIDENTIAL

Well: GATE CANYON 41-20-11-15						Date:	3/30/2005	Days:	22	
Depth: 9565 TD		Prog: 18'		OPR: DRILLING		Formation: MESAVERDE				
DMC: \$ 1319		TMC: \$ 44237		TDC: \$ 53,237		CWC: \$ 1,082,450				
Contractor: NABORS			Mud Co: MI			TANGIBLE		INTANGIBLE		
MW: 9.5	Liner: 6	Bit #: 7			Conductor: \$ -	Rig Move: \$ -				
VIS: 43	Stroke: 10	S/N: PB2187			Surf. Csg: \$ -	Location: \$ -				
PV/YF: 15/12	SPM: 110	Size: 7-7/8"			Int. Csg: \$ -	Rig Cost: \$ 14,000				
Gel: 8/20/29	Press: 1450	MFG: STC			Prod Csg: \$ -	BHA: \$ 300				
ph: 9.00	GPM: 384	Type: Y57OD			Float Equip: \$ -	Cement: \$ -				
WL: 14.00	NV:	Jets: 16/17/18			Well Head: \$ -	Mud Logger: \$ 775				
Cake: 1.00	AV:	In: 9357			TBG/Rods: \$ -	Water: \$ -				
Sand:	Dev: 3	Out: 9565			Packers: \$ -	Bits / Corehead: \$ -				
Solids: 3.80		FTG: 208			Tanks: \$ -	Rental Tools: \$ 1,581				
Chls: 2500		Hrs: 34			Separator: \$ -	Corrosion: \$ -				
Pf/Mf: .3/5.4		FPH: 6.2			Heater: \$ -	Consultant: \$ 850				
DAP: 5.0		T/B/G:			Pumping L/T: \$ -	Drilling Mud: \$ 1,319				
Ca: 120		WOB: 38			Prime Mover: \$ -	Misc. / Labor: \$ 34,282				
Time Break Down:		RPM: 45/84			Misc: \$ -	Forklift: \$ 130				
START	END	TIME	BHA: 38K		Daily Total: \$ -	Daily Total: \$ 53,237				
6:00	9:00	3:00	DRLG 9547' - 9565 (18 FT, 6.0 FPH).			Cum. Wtr: \$ 6,218				
9:00	10:30	1:30	CIRC. AND COND. HOLE			Cum. Fuel \$ 48,642				
10:30	11:30	1:00	PUMPED PILL & SHORT TRIP 5 STDS.			Cum. Bits: \$ 87,828				
11:30	14:30	3:00	CIRC. AND COND. HOLE			Rot. Hrs: 403.5				
14:30	19:00	4:30	POOH FOR OPEN HOLE LOGS.							
19:00	20:00	1:00	LD MM, DS, AND IBS							
20:00	3:30	7:30	RU SCHLUMBERGER AND RUN OPEN HOLE LOGS:							
			PLATFORM EXPRESS W/ BHC SONIC FROM 9575', LTD TO BASE SURFACE							
			CSG AT 2924'.							
3:30	4:30	1:00	RD WIRELINE TOOLS.							
4:30	6:00	1:30	TIH AFTER LOGS							
			PUMP	SPM	PRESS	DEPTH				
			N°2	69	650	9565				
UP = 210,000 LBS. DOWN = 185,000 LBS. ROTATING = 198,000 LBS.						TRIP GAS				
						CONN 120				
BHA: BIT, DS, MM, IBS, 18- 6-3/8" DC'S. TOTAL LENGTH = 596FT.						BKG GAS 80-100				
CONSULTANT: V GUINN										

T115 RISE S-20
43-013-32425

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[illegible]

T11S R15ES-20
43-013-32425

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Well: GATE CANYON 41-20-11-15						Date: 3/28/2005		Days: 20	
Depth: 9390'		Prog: 12'		OPR: DRILLING		Formation: MESAVERDE			
DMC: \$ 435		TMC: \$ 41128		TDC: \$ 27,466		CWC: \$ 999,520			
Contractor: NABORS			Mud Co: MI		TANGIBLE		INTANGIBLE		
MW: 9.7	Liner: 6	Bit #: 6	7	Conductor: \$ -	Rig Move: \$ -				
VIS: 42	Stroke: 10	S/N: PB2590	PB2187	Surf. Csg: \$ -	Location: \$ -				
PV/YP: 16/14	SPM: 110	Size: 7-7/8"	7-7/8"	Int. Csg: \$ -	Rig Cost: \$ 12,700				
Gel: 8/22/36	Press: 1440	MFG: STC	STC	Prod Csg: \$ -	BHA: \$ 2,400				
ph: 9.00	GPM: 384	Type: Y57OD	Y57OD	Float Equip: \$ -	Cement: \$ -				
WL: 14.00	NV:	Jets: 1-20,2-24	16/17/18	Well Head: \$ -	Mud Logger: \$ 775				
Cake: 1.00	AV:	In: 9183	9357	TBG/Rods: \$ -	Water: \$ -				
Sand:	Dev: 3	Out: 9388		Packers: \$ -	Bits / Corehead: \$ 8,500				
Solids: 4.00		FTG: 205	33	Tanks: \$ -	Rental Tools: \$ 1,581				
Chls: 3000		Hrs: 51	7	Separator: \$ -	Corrosion: \$ 95				
Pf/Mf: .3/5.1		FPH: 4.1	5.1	Heater: \$ -	Consultant: \$ 850				
DAP: 5.4		T/B/G:		Pumping L/T: \$ -	Drilling Mud: \$ 435				
Ca: 140		WOB: 40	40	Prime Mover: \$ -	Misc. / Labor: \$ -				
Time Break Down:			RPM: 45/48	45/84	Misc: \$ -	Forklift: \$ 130			
START	END	TIME	BHA: 38K	38K	Daily Total: \$ -	Daily Total: \$ 27,466			
6:00	8:30	2:30	DRLG 9378' - 9388 (10 FT, 4.0 FPH).					Cum. Wtr:	\$ 6,218
8:30	9:30	1:00	MIXED PILL					Cum. Fuel	\$ 39,270
9:30	13:30	4:00	PUMPED PILL & POOH FOR BIT #7.					Cum. Bits:	\$ 87,828
13:30	16:00	2:30	CHANGE OUT BIT AND MM. PU 1 DC.					Rot. Hrs:	376.5
16:00	17:00	1:00	TIH TO 2941'.						
17:00	19:00	2:00	SLIP AND CUT DRLG LINE						
19:00	23:30	4:30	TIH WASHING 60' TO BTM. CORR HOLE DEPTH 31.06'.						
23:30	6:00	6:30	DRLG 9357' - 9390 (33 FT, 5.0 FPH).						

THIS RISE S-20

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CONSULTANT: V GUINN

T11S R15E S-20
43-013-32425

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T/IS R15F S-20 43-013-32425

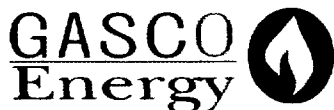
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DAILY DRILLING AND COMPLETION REPORT

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DAILY DRILLING AND COMPLETION REPORT

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T-113 RISE S-20

43-013-32425

GATE CANYON 41-20-11-15						Date:	3/11/2005	Days:	3
Depth:	5115' GL	Prog:	852'	OPR:	DRILLING	Formation:	WASATCH		
DMC: \$	7359	TMC: \$	11749		TDC: \$	\$ 25,540	CWC: \$	\$	597,795
Contractor: NABORS			Mud Co: MI		TANGIBLE		INTANGIBLE		
MW:	8.5	Liner:	6	Bit #:	1	Conductor:	\$ -	Rig Move:	\$ -
VIS:	25	Stroke:	10	S/N:	104978	Surf. Csg:	\$ -	Location:	\$ -
PV/YP:		SPM:	115	Size:	7-7/8"	Int. Csg:	\$ -	Rig Cost:	\$ 12,700
Gel:		Press:	560	MFG:	HYCALOG	Prod Csg:	\$ -	BHA:	\$ 2,050
ph:		GPM:	400	Type:	DSX210G	Float Equip:	\$ -	Cement:	\$ -
WL:		NV:		Jets:	3-14,3-18	Well Head:	\$ -	Mud Logger:	\$ 775
Cake:		AV:		In:	2970	TBG/Rods:	\$ -	Water:	\$ -
Sand:		Dev:	3	Out:		Packers:	\$ -	Bits / Corehead:	\$ -
Solids:				FTG:	2145	Tanks:	\$ -	Rental Tools:	\$ 1,581
Chls:	2000			Hrs:	44	Separator:	\$ -	Corrosion:	\$ 95
Pf/Mf:				FPH:	49.3	Heater:	\$ -	Consultant:	\$ 850
LCM:				T/B/G:		Pumping L/T:	\$ -	Drilling Mud:	\$ 7,359
Ca:	180			WOB:	10-20	Prime Mover:	\$ -	Misc. / Labor:	\$ -
Time Break Down:				RPM:	30	Misc:	\$ -	Forklift:	\$ 130
START	END	TIME		BHA:	31K	Daily Total:	\$ -	Daily Total:	\$ 25,540
6:00	11:30	5:30	DRLG 4263' - 4391' (128 FT, 23.2 FPH).					Cum. Wtr:	\$ 3,275
11:30	12:00	0:30	RUN WIRELINE SURVEY @ 4308', 3-3/4°					Cum. Fuel	\$ 12,362
12:00	22:30	10:30	DRLG 4391' - 4899' (508 FT, 48.4 FPH).					Cum. Bits:	\$ 8,000
22:30	23:00	0:30	RUN WIRELINE SURVEY @ 4816', 3°					Rot. Hrs:	43.5
23:00	23:30	0:30	DRLG 4899' - 4918' (19 FT, 38 FPH).						
23:30	2:00	2:30	REPAIR #1 & #2 MUD PUMPS						
2:00	6:00	4:00	DRLG 4918' - 5115' (197 FT, 49.3 FPH).						
			PUMP	SPM	PRESS	DEPTH			
			Nº1	70	250	4708			
UP = 125,000 LBS. DOWN = 115,000 LBS. ROTATING = 120,000 LBS.							TRIP GAS		
							CONN 30-50		
BHA: BIT, DS, MM, IBS, 17- 6-3/8" DC'S. TOTAL LENGTH = 596FT.							BKG GAS 38640		
CONSULTANT: V GUINN							DWN TIME 1100		



Well: GATE CANYON 41-20-11-15						Date: 3/10/2005		Days: 2		
Depth: 4263' GL		Prog: 1107'		OPR: DRILLING		Formation: WASATCH				
DMC: \$ 2100		TMC: \$ 4390		TDC: \$ \$ 22,035		CWC: \$ \$ 53,824				
Contractor: NABORS			Mud Co: MI			TANGIBLE		INTANGIBLE		
MW: 8.5	Liner: 6	Bit #: 1			Conductor: \$ -	Rig Move: \$ -				
VIS: 25	Stroke: 10	S/N: 104978			Surf. Csg: \$ -	Location: \$ -				
PV/YP:	SPM: 115	Size: 7-7/8"			Int. Csg: \$ -	Rig Cost: \$ 12,700				
Gel:	Press: 560	MFG: HYCALOG			Prod Csg: \$ -	BHA: \$ -				
ph:	GPM: 400	Type: DSX210G			Float Equip: \$ -	Cement: \$ -				
WL:	NV:	Jets: 3-14,3-18			Well Head: \$ -	Mud Logger: \$ 775				
Cake:	AV:	In: 2970			TBG/Rods: \$ -	Water: \$ 1,725				
Sand:	Dev: 3	Out:			Packers: \$ -	Bits / Corehead: \$ -				
Solids:		FTG: 186			Tanks: \$ -	Rental Tools: \$ 1,581				
Chls: 2000		Hrs: 2			Separator: \$ -	Corrosion: \$ 95				
Pf/Mf:		FPH: 93			Heater: \$ -	Consultant: \$ 850				
LCM:		T/B/G:			Pumping L/T: \$ -	Drilling Mud: \$ 2,100				
Ca: 180		WOB: 2			Prime Mover: \$ -	Misc. / Labor: \$ 2,079				
Time Break Down:					RPM: 45	Misc: \$ -		Forklift: \$ 130		
START	END	TIME			BHA: 31K	Daily Total: \$ -		Daily Total: \$ 22,035		
6:00	9:00	3:00	DRLG 3156' - 3314' (158 FT, 53 FPH).					Cum. Wtr: \$ 3,275		
9:00	9:30	0:30	RUN WIRELINE SURVEY, MISSRUN					Cum. Fuel \$ 12,362		
9:30	10:30	1:00	WORK STUCK PIPE AND REAM HOLE					Cum. Bits: \$ 8,000		
10:30	11:00	0:30	DRLG 3314' - 3377' (63 FT, 32 FPH).					Rot. Hrs:		
11:00	11:30	0:30	CIRC. BTMS UP							
11:30	12:00	0:30	RUN WIRELINE SURVEY @ 3377', 3½°							
12:00	22:00	10:00	DRLG 3377' - 3882' (505 FT, 51 FPH).							
22:00	22:30	0:30	RUN WIRELINE SURVEY @ 3850', 3°							
22:30	6:00	7:30	DRLG 3882' - 4263' (381 FT, 51 FPH).							
			PUMP	SPM	PRESS	DEPTH				
			N°1	70	210	3788				
UP = 207,000 LBS. DOWN = 205,000 LBS. ROTATING = 205,000 LBS.							TRIP GAS			
							CONN 60-80			
BHA: BIT, DS, MM, IBS, 17- 6-3/8" DC'S. TOTAL LENGTH = 596FT.							BKG GAS 15			
CONSULTANT: V GUINN							DWN TIME 600			

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T 115 R 15 ES-20
43-013-32425

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DAILY DRILLING AND COMPLETION REPORT

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STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

AMENDED REPORT ☐ FORM 8
(highlight changes)

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ OTHER ☐
b. TYPE OF WORK: NEW WELL ☒ HORIZ. LATS. ☐ DEEP-EN ☐ RE-ENTRY ☐ DIFF. RESVR. ☐ OTHER ☐
2. NAME OF OPERATOR: Gasco Energy, Inc.
3. ADDRESS OF OPERATOR: 8 Inverness Dr. E, Ste. 10 CITY Englewood STATE CO ZIP 80112 PHONE NUMBER: (303) 483-0044
4. LOCATION OF WELL (FOOTAGES)
AT SURFACE: 581 FNL X 646 FEL
AT TOP PRODUCING INTERVAL REPORTED BELOW:
AT TOTAL DEPTH:

5. LEASE DESIGNATION AND SERIAL NUMBER: ML-9001-OBA
6. IF INDIAN, ALLOTTEE OR TRIBE NAME: NA
7. UNIT OR CA AGREEMENT NAME: NA
8. WELL NAME AND NUMBER: GATE CANYON #41-20-11-15
9. API NUMBER: 4301332475
10. FIELD AND POOL, OR WILDCAT: WILDCAT
11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NENE 20 11S 15E S
12. COUNTY: DUCHESNE 13. STATE: UTAH

14. DATE SPUNDED: 11/8/2004 15. DATE T.D. REACHED: 3/30/2005 16. DATE COMPLETED: 5/2/2005 ABANDONED ☐ READY TO PRODUCE ☒
17. ELEVATIONS (DF, RKB, RT, GL): 6, 569' GL/6,587 KB
18. TOTAL DEPTH: MD 9,565 TVD 9,565 19. PLUG BACK T.D.: MD 9,508 TVD 20. IF MULTIPLE COMPLETIONS, HOW MANY? * 21. DEPTH BRIDGE MD PLUG SET: TVD

22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)
Platform Express with BHC Sonic (CBL) MUD LOG - T COMBO
MICROLOG-GR, PE/AL/GR, CNL/TOLD/GR
23. WAS WELL CORED? NO ☒ YES ☐ (Submit analysis)
WAS DST RUN? NO ☒ YES ☐ (Submit report)
DIRECTIONAL SURVEY? NO ☒ YES ☐ (Submit copy)

24. CASING AND LINER RECORD (Report all strings set in well)

HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
17.5	13.37 H40	48	0	209		G 225		SURF(CIRC)	
12.25	8.625 J55	32	0	2,965		PREM 660		URF(CIRC)	
7.875	4.5 P110	13.5	0	9,554		HILIFT 400			
						50-50 P 1,150		1400' (CBL)	

25. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
2.375	9.069							

26. PRODUCING INTERVALS

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)	INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
(A) MESAVERDE	7,431	9,469			9,202 9,470	.44	72	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
(B) WASATCH	3,203	7,312			9,102 9,148	.44	48	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
(C)					7,836 7,856	.44	30	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
(D)					5,884 5,898	.44	36	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>

27. PERFORATION RECORD

28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
STAGE 1: 9202-9470	101K# 20-40 SD X 55.5K# 20-40 TEMPERED "DC" SD X 3235 BBLs WF X YF 118 GEL
STAGE 2: 9102-9148	62.7K# 20-40 SD X 63.2K# 20-40 TEMPERED "DC" SC X 2400 BBL WF X YF 118 GEL
STAGE 3: 7836-7856	48.4K# 20-40 SD X 962 BBL YF118 GEL (STAGE 4 BELOW)

29. ENCLOSED ATTACHMENTS:

- ☐ ELECTRICAL/MECHANICAL LOGS ☐ GEOLOGIC REPORT ☐ DST REPORT ☐ DIRECTIONAL SURVEY
☐ SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION ☐ CORE ANALYSIS ☐ OTHER:

30. WELL STATUS:

FLOWING

RECEIVED

MAY 31 2005

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31. INITIAL PRODUCTION

INTERVAL A (As shown in Item #26)

DATE FIRST PRODUCED: 5/3/2005		TEST DATE: 5/4/2005		HOURS TESTED: 24		TEST PRODUCTION RATES: →		OIL – BBL: 0		GAS – MCF: 287		WATER – BBL: 30		PROD. METHOD: FLOWING	
CHOKE SIZE: 20	TBG. PRESS. 275	CSG. PRESS. 850	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL: 0	GAS – MCF: 287	WATER – BBL: 30	INTERVAL STATUS: ALL					

INTERVAL B (As shown in Item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL C (As shown in Item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL D (As shown in Item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)

SOLD

33. SUMMARY OF POROUS ZONES (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

34. FORMATION (Log) MARKERS:

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)
UINTA	0	3,202			
WASATCH	3,203	7,311			
DARK CANYON	7,312	7,430			
U. MESAVERDE	7,431	9,468			
L. MESAVERDE	9,469				

35. ADDITIONAL REMARKS (Include plugging procedure)

28. (cont.) STAGE 4: 5884-5898'; 82.8K# 20-40 SD X 1114 YF 118 GEL.

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

NAME (PLEASE PRINT) Anthony W. Sharp

TITLE Senior Engineer

SIGNATURE

DATE 5/26/2005

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation

- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

** ITEM 24: Cement Top - Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940

GASCO Energy
Drilling Report
Gate Canyon State #41-20-11-15
NWNE, Sec.20 , T11S,R15E
Duchesne County, Utah

43-013-32475

Gate Canyon State 41-20-11-15**Completion**

- 4/19/05 Ran CBL and psi tested csg to 9000 psi, ok. Hooked up FB manifold.
- 4/21/05 RU SLB (Jason) and perforated **Stage 1 – Lower Mesaverde f/ 9202 – 05', 9240 – 42', 9261 – 64', 9300 – 03', 9317 – 20', 9466 – 70'**, 3 spf w/ 3 1/8" HiVolt guns, 21 gm Powerfrac chgs, .44 EHD, 24.9" pen. RU SLB (Red crew, Selwyn). Broke dn perfs @ 5023 psi @ 5 bpm. ISIP 3745. Calc 24 holes open/ 54. FG .84. Hybrid fraced Stage 1 w/ 101,000 # 20-40 reg white sd and 55,500# 20-40 Tempered DC sd, using 3235 bbls WF and YF 118. Flushed w/ 135 bbls. ISIP 3830. Opened well up to flowback @ 10:45 AM on 12/64" ck w/ 3650 SICP. Cleaned up wellbore. RU SLB (Jason) and start IH w/ plug and guns to perf Stage 2 – Lower Mesaverde. Stacked out @ 20' twice, and then got stuck there. Worked and flowed well to try to free. Finally came loose. POOH w/ broken FTFP. Tool was parted in middle of mandrel, with top portion of plug still intact. Got 2 pcs of comp mat in flowback line. Left well flowing for night. (SCE)
- 4/22/05 RU SLB slickline (Scott Pitt) and RIH w/ Baker sd line drill. Drilled up stuck plug @ 1' GL. Drilled up in 25 min and pushed dn hole. Had to drill and push until 3500'. Chased plug and tagged @ 9378'. POOH. Got stuck twice on the way out. RU electric line and RIH w/ junk basket. POOH and recovered handful of comp material. RIH w/ plug and guns to perf **Stage 2 – Lower Mesaverde**. Set FTFP #1 @ 9170'. Perf stg 2 f/ 9102 – 06', 9118 – 22', 9144 – 48', 3 spf as above. RU to frac Stg 2. Broke dn perfs @ 5243 psi @ 4.4 bpm. ISIP 3560. Calc 19 holes open/ 36. FG .82. Hybrid fraced Stage 2 w/ 62,700 # 20-40 reg white sd and 63,200# 20-40 Tempered DC sd, using 2400 bbls WF and YF 118. Flushed w/ 133.5 bbls. ISIP 3570. Opened well up to flowback @ 5:30 PM on 12/64" ck w/ 3300 SICP. (SCE) DC 15,139 (Completion) CC 15,139.
- 4/23/05 Well flowing this AM @ 850 FCP on 16/64" ck. Flowed 1002 bbls in 15 ¾ hrs. TR 2092. BLWTR 3543. SWI to **perforate Stage 3 – Upper Mesaverde**. Set FTFP #2 @ 7870'. Perf f/ 7836 – 40', 7852' – 56', 3 spf as above. . RU to frac Stg 3. Broke dn perfs @ 5000 psi. ISIP 3030. Calc 13 holes open/ 24. FG .82. Fraced Stage 3 w/ 48,404# 20-40 reg white sd, using 962 bbls YF 118. Flushed w/ 114.5 bbls. ISIP 3570. Opened well up to flowback @ 8:45 AM on 12/64" ck w/ 3200 SICP. Cleaned up wellbore and RIH w/ plug and guns to perf Stage 4 – Wasatch.

GASCO Energy
Drilling Report
Gate Canyon State #41-20-11-15
NWNE, Sec.20 , T11S,R15E
Duchesne County, Utah

Set FTFP #3 @ 5915'. Perforated Wasatch f/ 5884 – 89', 5893 – 98', 3 spf as above. Pumped into perfs @ 2280 psi (no break). ISIP 3020. FG .95. Calc 37 holes open / 30. Fraced Wasatch w/ 82,800 # 20-40 sd, using 1114 bbls YF 118 gel. Flushed csg w/ 86 bbls. ISIP 3205. Opened well up to flowback @ 5:30 PM on 12/64" ck w/ 3300 SICP. (SCE) DC 338,823 (Completion) CC 353,962.

4/24/05 Well flowing this AM w/ 75 FCP on 20/64" ck. Fld 930 bbls in 20 ¾ hrs. TR 3022. BLWTR 4688. Left well flowing to FB tk for weekend. Released FB crew. Spot in Temples rig. (SCE) DC 25,482 CC 379,444

4/25/05 Well flowing this AM w/ 40 FCP on 20/64" ck. Fld 227 in 24 hrs. TR 3249. BLWTR 4461.

4/26/05 Well dead this AM. Fld 87 bbls in 24 hrs. TR 3336. BLWTR 4374. RU Temples WS. ND frac tree. NU BOPE. RIH w/ 3 ¾" bit + Weatherford POBS w/ float + 1 jt + XN nipple + 180 jts new, 2 3/8" N-80 tbg. Tagged FTFP #3 @ 5915' (no sd). Pull up 2 jts and SDFN. Left well open to tk for night – dead. (Rick w/ Premier). DC 4905 CC 384,349.

4/27/05 RU Weatherford air foam unit (f/ Rock Springs). RU power swivel. Drill up FTFP #3 @ 5915'. RIH and drill up FTFP #2 @ 7870' (no sd). RIH and drill up FTFP #1 @

4/28/05 0/1100. Tbg dead this AM. Flowed and air foamed 405 bbls. TR 3741. BLWTR 3969. Broached tbg to SN. Swabbed all day. Left tbg open to FB tk for night. DC 81314 CC 478,652

4/29/05 Fd 0/1600. Tbg barely whispering. Swabbed and flowed 125 bbls in 24 hrs. TR 3866. BLWTR 3844. Swabbed well in w/ 3 runs. Well died @ 3:00 PM. Left open to tk for night. (Rick) DC 3737 CC 482,389

4/30/05 Fd 0/1550. Swabbed and flowed 140 bbls in 7 hrs. TR 4006. BLWTR 3704. Swabbed well in w/ 3 runs. Left well flowing to tk for night. (Rick) DC 3737 CC 486,126

5/1/05 Well flowing this AM @ 75/650. Flowed 116 bbls in 15 hrs on 32/64". Pinched back to 24/64" ck. TR 4272. BLWTR 3438. DC 7286 CC 493,412

5/2/05 Well flowing this AM @ 100/650. Made 111 in 24 hrs on 24/64" ck. Pinched back t 20/64" ck. TR 4383. BLWTR 3327.

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: ML-90001-OBA
1. TYPE OF WELL Gas Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: GASCO PRODUCTION COMPANY		7. UNIT or CA AGREEMENT NAME: GATE CANYON
3. ADDRESS OF OPERATOR: 8 Inverness Dr. East, Suite 100 , Englewood, CO, 80112		8. WELL NAME and NUMBER: GATE CYN 41-20-11-15
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0581 FNL 0646 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENE Section: 20 Township: 11.0S Range: 15.0E Meridian: S		9. API NUMBER: 43013324750000
PHONE NUMBER: 303 483-0044 Ext		9. FIELD and POOL or WILDCAT: GATE CANYON
COUNTY: DUCHESNE		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 10/12/2010 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input checked="" type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Gasco would like to dispose of water at RN Industries state approved commercial disposal facility located in Sections 4 and 9 Township 2 south Range 2 west in Bluebell UT. This facility would be used in addition to the currently approved disposal facilities that Gasco uses to dispose of water from this well.

Approved by the
Utah Division of
Oil, Gas and Mining

Date: October 06, 2010

By:

NAME (PLEASE PRINT) Roger Knight	PHONE NUMBER 303 996-1803	TITLE EHS Supervisor
SIGNATURE N/A		DATE 10/5/2010

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9																														
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Accepted by the Utah Division of Oil, Gas and Mining Date: 12/30/2010 By:																																
NAME (PLEASE PRINT) Roger Knight		PHONE NUMBER 303 996-1803																														
SIGNATURE N/A		TITLE EHS Supervisor																														
		DATE 12/29/2010																														

Effective Date: 4/16/2015

FORMER OPERATOR:	NEW OPERATOR:
Gasco Production Company N2575 7979 E. Tufts Avenue, Suite 11500 Denver, CO 80237 303-996-1805	Badlands Production Company N4265 7979 E. Tufts Avenue, Suite 11500 Denver, CO 80237 303-996-1805
CA Number(s):	Unit(s): Gate Canyon, Wilkin Ridge Deep, RBU-EOR-GRRV

WELL INFORMATION:

Well Name	Sec	TWN	RNG	API	Entity	Mineral	Surface	Type	Status
See Attached List									

OPERATOR CHANGES DOCUMENTATION:

1. Sundry or legal documentation was received from the **FORMER** operator on: 6/2/2015
2. Sundry or legal documentation was received from the **NEW** operator on: 6/2/2015
3. New operator Division of Corporations Business Number: 1454161-0143

REVIEW:

1. Surface Agreement Sundry from **NEW** operator on Fee Surface wells received on: 6/2/2015
2. Receipt of Acceptance of Drilling Procedures for APD on: N/A
3. Reports current for Production/Disposition & Sundries: 6/3/2015
4. OPS/SI/TA well(s) reviewed for full cost bonding: 1/20/2016
5. UIC5 on all disposal/injection/storage well(s) approved on: N/A
6. Surface Facility(s) included in operator change: None
7. Inspections of PA state/fee well sites complete on (only upon operators request): N/A

NEW OPERATOR BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: SUR0027842
2. Indian well(s) covered by Bond Number: N/A
3. State/fee well(s) covered by Bond Number(s): SUR0027845
SUR0035619 -FCB

DATA ENTRY:

1. Well(s) update in the **OGIS** on: 1/22/2016
2. Entity Number(s) updated in **OGIS** on: 1/22/2016
3. Unit(s) operator number update in **OGIS** on: 1/22/2016
4. Surface Facilities update in **OGIS** on: N/A
5. State/Fee well(s) attached to bond(s) in **RBDMS** on: 1/22/2016
6. Surface Facilities update in **RBDMS** on: N/A

LEASE INTEREST OWNER NOTIFICATION:

1. The **NEW** operator of the Fee (Mineral) wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: 1/22/2016

COMMENTS:

From: Gasco Production Company
To: Badlands Production Company
Effective Date: 4/16/2015

Well Name	Section	TWN	RNG	API Number	Entity	Mineral	Surface	Type	Status
FEDERAL 23-18G-9-19	18	090S	190E	4304752496		Federal	Federal	OW	APD
FEDERAL 14-17G-9-19	17	090S	190E	4304752522		Federal	Federal	OW	APD
FEDERAL 13-18G-9-19	18	090S	190E	4304752538		Federal	Federal	OW	APD
FEDERAL 23-29G-9-19	29	090S	190E	4304752544		Federal	Federal	OW	APD
FEDERAL 24-20G-9-19	20	090S	190E	4304752545		Federal	Federal	OW	APD
FEDERAL 31-21G-9-19	21	090S	190E	4304752546		Federal	Federal	OW	APD
Federal 323-29-9-19	29	090S	190E	4304753026		Federal	Federal	GW	APD
Federal 421-29-9-19	29	090S	190E	4304753027		Federal	Federal	GW	APD
Federal 322-29-9-19	29	090S	190E	4304753029		Federal	Federal	GW	APD
Federal 431-29-9-19	29	090S	190E	4304753030		Federal	Federal	GW	APD
Federal 432-29-9-19	29	090S	190E	4304753031		Federal	Federal	GW	APD
Federal 414-29-9-19	29	090S	190E	4304753070		Federal	Federal	GW	APD
FEDERAL 412-29-9-19	29	090S	190E	4304753073		Federal	Federal	GW	APD
FEDERAL 213-29-9-19	29	090S	190E	4304753076		Federal	Federal	GW	APD
federal 321-29-9-19	29	090S	190E	4304753078		Federal	Federal	GW	APD
FEDERAL 213-29-9-19	29	090S	190E	4304753079		Federal	Federal	GW	APD
FEDERAL 321-29-9-19	29	090S	190E	4304753080		Federal	Federal	GW	APD
Federal 212-29-9-19	29	090S	190E	4304753133		Federal	Federal	GW	APD
State 321-32-9-19	32	090S	190E	4304754479		State	State	GW	APD
State 423-32-9-19	32	090S	190E	4304754480		State	State	GW	APD
State 421-32-9-19	32	090S	190E	4304754481		State	State	GW	APD
State 413-32-9-19	32	090S	190E	4304754482		State	State	GW	APD
State 323-32-9-19	32	090S	190E	4304754483		State	State	GW	APD
State 431-32-9-19	32	090S	190E	4304754529		State	State	GW	APD
Desert Spring State 224-36-9-18	36	090S	180E	4304754541		State	State	GW	APD
Desert Spring State 243-36-9-18	36	090S	180E	4304754542		State	State	GW	APD
Desert Spring State 241-36-9-18	36	090S	180E	4304754543		State	State	GW	APD
FEDERAL 332-30-9-19	30	090S	190E	4304753012	19650	Federal	Federal	GW	DRL
WILKIN RIDGE FED 43-29-10-17	29	100S	170E	4301333098	15941	Federal	Federal	GW	OPS
LAMB TRUST 11-23-9-19	23	090S	190E	4304736915	16556	Fee	Fee	GW	OPS
SHEEP WASH FED 43-26-9-18	26	090S	180E	4304738573	17201	Federal	Federal	GW	OPS
FEDERAL 13-19-9-19	19	090S	190E	4304739777	18344	Federal	Federal	GW	OPS
FEDERAL 12-17-9-19	17	090S	190E	4304739800	17202	Federal	Federal	GW	OPS
GATE CYN 31-21-11-15	21	110S	150E	4301332391	13787	State	State	GW	P
WILKIN RIDGE ST 12-32-10-17	32	100S	170E	4301332447	14033	State	State	GW	P
GATE CYN 41-20-11-15	20	110S	150E	4301332475	14417	State	State	GW	P
WILKIN RIDGE FED 34-17-10-17	17	100S	170E	4301332560	14726	Federal	Federal	GW	P
GATE CYN 41-19-11-16	19	110S	160E	4301332611	14439	Federal	Federal	GW	P
WILKIN RIDGE ST 44-32-10-17	32	100S	170E	4301332619	15649	State	State	GW	P
WILKIN RIDGE FED 12-4-11-17	4	110S	170E	4301332674	15537	Federal	Federal	GW	P
WILKIN RIDGE ST 24-32-10-17	32	100S	170E	4301332676	15242	State	State	GW	P
WILKIN RIDGE FED 23-29-10-17	29	100S	170E	4301332679	14033	Federal	Federal	GW	P
GATE CYN ST 23-16-11-15	16	110S	150E	4301332685	16082	State	State	GW	P
WILKIN RIDGE ST 34-16-10-17	16	100S	170E	4301332730	15243	State	State	GW	P
WILKIN RIDGE FED 31-29-10-17	29	100S	170E	4301332773	15370	Federal	Federal	GW	P
WILKIN RIDGE 32-08	8	110S	170E	4301332778	14802	Federal	Federal	GW	P
GATE CYN ST 23-16-11-16	16	110S	160E	4301332888	15098	State	State	GW	P
WILKIN RIDGE FED 24-20-10-17	20	100S	170E	4301333081	15714	Federal	Federal	GW	P
WILKIN RIDGE FED 32-20-10-17	20	100S	170E	4301333087	15807	Federal	Federal	GW	P
WILKIN RIDGE FED 14-4-11-17	4	110S	170E	4301333099	15920	Federal	Federal	GW	P
RYE PATCH FED 22-21	22	110S	140E	4301333437	16919	Federal	Federal	GW	P
RYE PATCH FED 24-21	24	110S	140E	4301333443	16367	Federal	Federal	GW	P
SQUAW CROSSING U 5	2	100S	180E	4304730129	16266	State	State	OW	P
RBV 5-11D	11	100S	180E	4304730409	9005	Federal	Federal	OW	P
FEDERAL 7-25A	25	090S	180E	4304730624	9030	Federal	Federal	OW	P

From: Gasco Production Company
To: Badlands Production Company
Effective Date: 4/16/2015

RBU 6-2D	2	100S	180E	4304731190	7075	State	State	OW	P
NGC 33-18J	18	090S	190E	4304731200	6155	Federal	Federal	OW	P
RBU 13-2D	2	100S	180E	4304731280	16267	State	State	OW	P
RBU 16-3D	3	100S	180E	4304731352	16268	Federal	Federal	OW	P
RBU 10-11D	11	100S	180E	4304731357	7053	Federal	Federal	OW	P
RBU 8-10D	10	100S	180E	4304731364	4955	Federal	Federal	OW	P
RBU 15-3D	3	100S	180E	4304731539	9965	Federal	Federal	OW	P
RBU 12-12D	12	100S	180E	4304731651	10688	Federal	Federal	OW	P
RBU 2-10D	10	100S	180E	4304731801	10784	Federal	Federal	OW	P
RBU 3-15D	15	100S	180E	4304733600	13213	Federal	Federal	OW	P
RBU 3-12D	12	100S	180E	4304733739	14492	Federal	Federal	OW	P
STATE 7-36A	36	090S	180E	4304733741	14244	State	State	GW	P
FEDERAL 34-29	29	090S	190E	4304733750	13174	Federal	Federal	GW	P
FEDERAL 24-7 #1	7	100S	180E	4304733983	13182	Federal	Federal	GW	P
FEDERAL 23-29 #1	29	090S	190E	4304734111	13441	Federal	Federal	GW	P
FED 24-20-9-19	20	090S	190E	4304734168	14150	Federal	Federal	GW	P
FED 44-20-9-19	20	090S	190E	4304734169	14140	Federal	Federal	GW	P
FED 23-21-9-19	21	090S	190E	4304734199	13601	Federal	Federal	GW	P
FED 32-31-9-19	31	090S	190E	4304734201	13641	Federal	Federal	GW	P
FED 42-29-9-19	29	090S	190E	4304734202	13455	Federal	Federal	GW	P
PETES WASH 23-12 #1	12	100S	170E	4304734286	13492	Federal	Federal	GW	P
STATE 4-32B	32	090S	190E	4304734314	14440	State	State	GW	P
FED 14-18-2 #1	18	100S	180E	4304734539	13491	Federal	Federal	GW	P
FED 43-24-3 #1	24	100S	170E	4304734551	13726	Federal	Federal	GW	P
LYTHAM FED 22-22-9-19	22	090S	190E	4304734607	13640	Federal	Federal	GW	P
FED 11-21-9-19	21	090S	190E	4304734608	14151	Federal	Federal	GW	P
FED 22-30-10-18	30	100S	180E	4304734924	14280	Federal	Federal	GW	P
FEDERAL 43-30-9-19	30	090S	190E	4304735343	14202	Federal	Federal	GW	P
FED 11-22-9-19	22	090S	190E	4304735404	14203	Federal	Federal	GW	P
FED 42-21-9-19	21	090S	190E	4304735405	14928	Federal	Federal	GW	P
STATE 24-16-9-19	16	090S	190E	4304735588	14418	State	Federal	GW	P
FEDERAL 31-21-9-19	21	090S	190E	4304735606	14441	Federal	Federal	GW	P
FEDERAL 12-29-9-19	29	090S	190E	4304735614	14442	Federal	Federal	GW	P
FEDERAL 24-31-9-19	31	090S	190E	4304735623	14640	Federal	Federal	GW	P
FEDERAL 41-31-9-19	31	090S	190E	4304735624	14419	Federal	Federal	GW	P
LAMB TRUST 24-22-9-19	22	090S	190E	4304735732	14496	Fee	Fee	GW	P
LAMB TRUST 24-14-9-19	14	090S	190E	4304735733	14519	Fee	Fee	GW	P
FEDERAL 11-22-10-18	22	100S	180E	4304735808	15592	Federal	Federal	GW	P
FEDERAL 21-6-10-19	6	100S	190E	4304735844	14356	Federal	Federal	GW	P
DESERT SPRING ST 41-36-9-18	36	090S	180E	4304735845	14639	State	State	GW	P
STATE 12-32-9-19	32	090S	190E	4304735995	14871	State	State	GW	P
FEDERAL 12-20-9-19	20	090S	190E	4304736093	14976	Federal	Federal	GW	P
FEDERAL 32-20-9-19	20	090S	190E	4304736094	16120	Federal	Federal	GW	P
FEDERAL 23-30-9-19	30	090S	190E	4304736095	14872	Federal	Federal	GW	P
SHEEP WASH FED 34-26-9-18	26	090S	180E	4304736113	15096	Federal	Federal	GW	P
DESERT SPRING ST 23-36-9-18	36	090S	180E	4304736219	14738	State	State	GW	P
DESERT SPRING ST 21-36-9-18	36	090S	180E	4304736220	14763	State	State	GW	P
DESERT SPRING ST 12-36-9-18	36	090S	180E	4304736233	14764	State	State	GW	P
DESERT SPRING ST 43-36-9-18	36	090S	180E	4304736241	14992	State	State	GW	P
DESERT SPRING ST 34-36-9-18	36	090S	180E	4304736242	14716	State	State	GW	P
FEDERAL 14-31-9-19	31	090S	190E	4304736271	15884	Federal	Federal	GW	P
FEDERAL 12-31-9-19	31	090S	190E	4304736336	15086	Federal	Federal	GW	P
FEDERAL 21-31-9-19	31	090S	190E	4304736368	15605	Federal	Federal	GW	P
FEDERAL 23-31-9-19	31	090S	190E	4304736442	15715	Federal	Federal	GW	P
SHEEP WASH FED 43-25-9-18	25	090S	180E	4304736600	14977	Federal	Federal	GW	P
FEDERAL 43-19-9-19	19	090S	190E	4304736719	15186	Federal	Federal	GW	P

From: Gasco Production Company
To: Badlands Production Company
Effective Date: 4/16/2015

SHEEP WASH FED 21-25-9-18	25	090S	180E	4304736727	15475	Federal	Federal	GW	P
FEDERAL 21-30-9-19	30	090S	190E	4304736739	15476	Federal	Federal	GW	P
SHEEP WASH FED 23-25-9-18	25	090S	180E	4304736740	15213	Federal	Federal	GW	P
FEDERAL 23-19-9-19	19	090S	190E	4304736771	15355	Federal	Federal	GW	P
SHEEP WASH FED 41-25-9-18	25	090S	180E	4304736772	15338	Federal	Federal	GW	P
FEDERAL 41-30-9-19	30	090S	190E	4304736817	15212	Federal	Federal	GW	P
LAMB TRUST 34-22-9-19	22	090S	190E	4304736913	15187	Fee	Fee	GW	P
LAMB TRUST 14-14-9-19	14	090S	190E	4304736916	17012	Fee	Fee	GW	P
DESERT SPRING ST 33-36-9-18	36	090S	180E	4304737115	15011	State	State	GW	P
FEDERAL 14-17-9-19	17	090S	190E	4304737116	16163	Federal	Federal	GW	P
FEDERAL 34-18-9-19	18	090S	190E	4304737117	16275	Federal	Federal	GW	P
UTELAND ST 41-2-10-18	2	100S	180E	4304737132	15087	State	State	GW	P
UTELAND ST 43-2-10-18	2	100S	180E	4304737338	15365	State	State	GW	P
FEDERAL 41-19-9-19	19	090S	190E	4304737611	16311	Federal	Federal	GW	P
FEDERAL 32-30-9-19	30	090S	190E	4304737612	16051	Federal	Federal	GW	P
FEDERAL 12-30-9-19	30	090S	190E	4304737613	16052	Federal	Federal	GW	P
FEDERAL 21-19-9-19	19	090S	190E	4304737621	16253	Federal	Federal	GW	P
FEDERAL 14-18-9-19	18	090S	190E	4304737622	16264	Federal	Federal	GW	P
FEDERAL 34-30-9-19	30	090S	190E	4304737630	16557	Federal	Federal	GW	P
DESERT SPRING FED 21-1-10-18	1	100S	180E	4304737631	15961	Federal	Federal	GW	P
FEDERAL 12-1-10-18	1	100S	180E	4304737646	16023	Federal	Federal	GW	P
SHEEP WASH FED 14-25-9-18	25	090S	180E	4304737647	16121	Federal	Federal	GW	P
UTELAND ST 21-2-10-18	2	100S	180E	4304737676	16254	State	State	GW	P
UTELAND ST 12-2-10-18	2	100S	180E	4304737677	15806	State	State	GW	P
UTELAND ST 34-2-10-18	2	100S	180E	4304738028	16868	State	State	GW	P
FEDERAL 14-19-9-19	19	090S	190E	4304738336	16467	Federal	Federal	GW	P
FEDERAL 34-19-9-19	19	090S	190E	4304738337	16119	Federal	Federal	GW	P
SHEEP WASH FED 41-26-9-18	26	090S	180E	4304738351	16884	Federal	Federal	GW	P
SHEEP WASH FED 32-25-9-18	25	090S	180E	4304738352	16349	Federal	Federal	GW	P
SHEEP WASH FED 34-25-9-18	25	090S	180E	4304738353	16210	Federal	Federal	GW	P
FEDERAL 12-19-9-19	19	090S	190E	4304738407	16236	Federal	Federal	GW	P
SHEEP WASH FED 23-26-9-18	26	090S	180E	4304738465	16558	Federal	Federal	GW	P
SHEEP WASH FED 12-25-9-18	25	090S	180E	4304738469	16449	Federal	Federal	GW	P
FEDERAL 23-18-9-19	18	090S	190E	4304738575	16312	Federal	Federal	GW	P
LAMB TRUST 34-22A-9-19	22	090S	190E	4304738673	15832	Fee	Fee	GW	P
UTELAND FED 42-11-10-18	11	100S	180E	4304738896	16792	Federal	Federal	GW	P
STATE 21-32B	32	090S	190E	4304739170	16309	State	State	GW	P
STATE 22-32A	32	090S	190E	4304739171	16308	State	State	GW	P
STATE 21-32A	32	090S	190E	4304739172	16310	State	State	GW	P
FEDERAL 11-19-9-19	19	090S	190E	4304739717	17054	Federal	Federal	GW	P
SHEEP WASH FED 31-25-9-18	25	090S	180E	4304739729	17241	Federal	Federal	GW	P
SHEEP WASH FED 11-25-9-18	25	090S	180E	4304739730	17266	Federal	Federal	GW	P
DESERT SPG FED 41-1-10-18	1	100S	180E	4304739773	17013	Federal	Federal	GW	P
FED 32-19X-9-19(RIGSKID)	19	090S	190E	4304740233	17014	Federal	Federal	GW	P
FEDERAL 23-30G-9-19	30	090S	190E	4304751280	18211	Federal	Federal	OW	P
FEDERAL 34-19G-9-19	19	090S	190E	4304751281	18210	Federal	Federal	OW	P
FEDERAL 442-30-9-19	30	090S	190E	4304752870	19647	Federal	Federal	GW	P
FEDERAL 333-30-9-19	30	090S	190E	4304752872	19648	Federal	Federal	GW	P
FEDERAL 423-30-9-19	30	090S	190E	4304753011	19649	Federal	Federal	GW	P
Desert Springs State 412-36-9-18	36	090S	180E	4304753324	19783	State	State	GW	P
Desert Springs State 424-36-9-18	36	090S	180E	4304753325	19783	State	State	GW	P
Desert Springs State 133-36-9-18	36	090S	180E	4304753326	19747	State	State	GW	P
Desert Spring State 142-36-9-18	36	090S	180E	4304753327	19747	State	State	GW	P
DESERT SPRINGS ST 422-36-9-18	36	090S	180E	4304753328	19783	State	State	GW	P
WILKIN RIDGE ST 31-32-10-17	32	100S	170E	4301332677	15144	State	State	GW	S
RBW 4-11D	11	100S	180E	4304730718	16269	Federal	Federal	OW	S

From: Gasco Production Company
 To: Badlands Production Company
 Effective Date: 4/16/2015

RBU 2-11D	11	100S	180E	4304730826	16270	Federal	Federal	OW	S
RBU 6-11D	11	100S	180E	4304731192	16271	Federal	Federal	OW	S
STATE 2-32B	32	090S	190E	4304732221	11371	State	State	GW	S
STATE 9-36A	36	090S	180E	4304732225	11364	State	State	GW	S
FEDERAL 13-30B	30	090S	190E	4304733581	13249	Federal	Federal	GW	S
STATE 13-36A	36	090S	180E	4304733598	17838	State	State	GW	S
FEDERAL 16-26A	26	090S	180E	4304733601	12928	Federal	Federal	GW	S
FEDERAL 31-29	29	090S	190E	4304733653	13077	Federal	Federal	GW	S
RBU 1-10D	10	100S	180E	4304734312	16265	Federal	Federal	OW	S
FEDERAL 13-18-9-19	18	090S	190E	4304739776	17149	Federal	Federal	GW	S

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-76482
2. NAME OF OPERATOR: Gasco Production Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: 7979 E. Tufts Ave. CITY Denver STATE CO ZIP 80237		7. UNIT or CA AGREEMENT NAME:
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0633 FNL 1512 FWL		8. WELL NAME and NUMBER: Desert Spring Fed 21-1-10-18
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NENW 1 10S 18E S		9. API NUMBER: 4304737631
COUNTY: Uintah		10. FIELD AND POOL, OR WILDCAT: Uteland Butte
STATE: UTAH		

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: 4/16/2015	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion:	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Gasco Production Company requests a change of operator on this well, in addition to the wells on the attached list from Gasco Production Company to Badlands Production Company, effective date of 4/16/2015.

Gasco Production Company
7979 E Tufts Ave, Suite 1150
Denver CO 80237
303-996-1805

Michael Decker, Exec. Vice President & COO

Badlands Production Company
7979 E Tufts Ave, Suite 1150
Denver CO 80237
303-996-1805

Michael Decker, Exec. Vice President & COO

RECEIVED

JUN 02 2015

DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) Lindsey Cooke	TITLE Engineering Tech
SIGNATURE <i>Lindsey Cooke</i>	DATE 5/18/2015

(This space for State use only)

APPROVED

JAN 22 2016

DIV. OIL GAS & MINING
BY: *Rachel Medina*

Well Name	Section	TWN	RNG	API	Entity	Mineral	Surface	Type	Status
FEDERAL 332-30-9-19	30	090S	190E	4304753012	19650	Federal	Federal	GW	DRL
WILKIN RIDGE FED 43-29-10-17	29	100S	170E	4301333098	15941	Federal	Federal	GW	OPS
LAMB TRUST 11-23-9-19	23	090S	190E	4304736915	16556	Fee	Fee	GW	OPS
SHEEP WASH FED 43-26-9-18	26	090S	180E	4304738573	17201	Federal	Federal	GW	OPS
FEDERAL 13-19-9-19	19	090S	190E	4304739777	18344	Federal	Federal	GW	OPS
FEDERAL 12-17-9-19	17	090S	190E	4304739800	17202	Federal	Federal	GW	OPS
GATE CYN 31-21-11-15	21	110S	150E	4301332391	13787	State	State	GW	P
WILKIN RIDGE ST 12-32-10-17	32	100S	170E	4301332447	14033	State	State	GW	P
GATE CYN 41-20-11-15	20	110S	150E	4301332475	14417	State	State	GW	P
WILKIN RIDGE FED 34-17-10-17	17	100S	170E	4301332560	14726	Federal	Federal	GW	P
GATE CYN 41-19-11-16	19	110S	160E	4301332611	14439	Federal	Federal	GW	P
WILKIN RIDGE ST 44-32-10-17	32	100S	170E	4301332619	15649	State	State	GW	P
WILKIN RIDGE FED 12-4-11-17	4	110S	170E	4301332674	15537	Federal	Federal	GW	P
WILKIN RIDGE ST 24-32-10-17	32	100S	170E	4301332676	15242	State	State	GW	P
WILKIN RIDGE FED 23-29-10-17	29	100S	170E	4301332679	14033	Federal	Federal	GW	P
GATE CYN ST 23-16-11-15	16	110S	150E	4301332685	16082	State	State	GW	P
WILKIN RIDGE ST 34-16-10-17	16	100S	170E	4301332730	15243	State	State	GW	P
WILKIN RIDGE FED 31-29-10-17	29	100S	170E	4301332773	15370	Federal	Federal	GW	P
WILKIN RIDGE 32-08	8	110S	170E	4301332778	14802	Federal	Federal	GW	P
GATE CYN ST 23-16-11-16	16	110S	160E	4301332888	15098	State	State	GW	P
WILKIN RIDGE FED 24-20-10-17	20	100S	170E	4301333081	15714	Federal	Federal	GW	P
WILKIN RIDGE FED 32-20-10-17	20	100S	170E	4301333087	15807	Federal	Federal	GW	P
WILKIN RIDGE FED 14-4-11-17	4	110S	170E	4301333099	15920	Federal	Federal	GW	P
RYE PATCH FED 22-21	22	110S	140E	4301333437	16919	Federal	Federal	GW	P
RYE PATCH FED 24-21	24	110S	140E	4301333443	16367	Federal	Federal	GW	P
RBW 5-11D	11	100S	180E	4304730409	9005	Federal	Federal	OW	P
FEDERAL 7-25A	25	090S	180E	4304730624	9030	Federal	Federal	OW	P
RBW 6-2D	2	100S	180E	4304731190	7075	State	State	OW	P
NGC 33-18J	18	090S	190E	4304731200	6155	Federal	Federal	OW	P
RBW 13-2D	2	100S	180E	4304731280	16267	State	State	OW	P
RBW 16-3D	3	100S	180E	4304731352	16268	Federal	Federal	OW	P
RBW 10-11D	11	100S	180E	4304731357	7053	Federal	Federal	OW	P
RBW 8-10D	10	100S	180E	4304731364	4955	Federal	Federal	OW	P
RBW 15-3D	3	100S	180E	4304731539	9965	Federal	Federal	OW	P
RBW 12-12D	12	100S	180E	4304731651	10688	Federal	Federal	OW	P
RBW 2-10D	10	100S	180E	4304731801	10784	Federal	Federal	OW	P
RBW 3-15D	15	100S	180E	4304733600	13213	Federal	Federal	OW	P
RBW 3-12D	12	100S	180E	4304733739	14492	Federal	Federal	OW	P
STATE 7-36A	36	090S	180E	4304733741	14244	State	State	GW	P
FEDERAL 34-29	29	090S	190E	4304733750	13174	Federal	Federal	GW	P
FEDERAL 24-7 #1	7	100S	180E	4304733983	13182	Federal	Federal	GW	P
FEDERAL 23-29 #1	29	090S	190E	4304734111	13441	Federal	Federal	GW	P
FED 24-20-9-19	20	090S	190E	4304734168	14150	Federal	Federal	GW	P
FED 44-20-9-19	20	090S	190E	4304734169	14140	Federal	Federal	GW	P
FED 23-21-9-19	21	090S	190E	4304734199	13601	Federal	Federal	GW	P
FED 32-31-9-19	31	090S	190E	4304734201	13641	Federal	Federal	GW	P
FED 42-29-9-19	29	090S	190E	4304734202	13455	Federal	Federal	GW	P
PETES WASH 23-12 #1	12	100S	170E	4304734286	13492	Federal	Federal	GW	P
STATE 4-32B	32	090S	190E	4304734314	14440	State	State	GW	P
FED 14-18-2 #1	18	100S	180E	4304734539	13491	Federal	Federal	GW	P
FED 43-24-3 #1	24	100S	170E	4304734551	13726	Federal	Federal	GW	P
LYTHAM FED 22-22-9-19	22	090S	190E	4304734607	13640	Federal	Federal	GW	P
FED 11-21-9-19	21	090S	190E	4304734608	14151	Federal	Federal	GW	P
FED 22-30-10-18	30	100S	180E	4304734924	14280	Federal	Federal	GW	P
FEDERAL 43-30-9-19	30	090S	190E	4304735343	14202	Federal	Federal	GW	P
FED 11-22-9-19	22	090S	190E	4304735404	14203	Federal	Federal	GW	P
FED 42-21-9-19	21	090S	190E	4304735405	14928	Federal	Federal	GW	P
STATE 24-16-9-19	16	090S	190E	4304735588	14418	State	Federal	GW	P

FEDERAL 31-21-9-19	21	090S	190E	4304735606	14441	Federal	Federal	GW	P
FEDERAL 12-29-9-19	29	090S	190E	4304735614	14442	Federal	Federal	GW	P
FEDERAL 24-31-9-19	31	090S	190E	4304735623	14640	Federal	Federal	GW	P
FEDERAL 41-31-9-19	31	090S	190E	4304735624	14419	Federal	Federal	GW	P
LAMB TRUST 24-22-9-19	22	090S	190E	4304735732	14496	Fee	Fee	GW	P
LAMB TRUST 24-14-9-19	14	090S	190E	4304735733	14519	Fee	Fee	GW	P
FEDERAL 11-22-10-18	22	100S	180E	4304735808	15592	Federal	Federal	GW	P
FEDERAL 21-6-10-19	6	100S	190E	4304735844	14356	Federal	Federal	GW	P
DESERT SPRING ST 41-36-9-18	36	090S	180E	4304735845	14639	State	State	GW	P
STATE 12-32-9-19	32	090S	190E	4304735995	14871	State	State	GW	P
FEDERAL 12-20-9-19	20	090S	190E	4304736093	14976	Federal	Federal	GW	P
FEDERAL 32-20-9-19	20	090S	190E	4304736094	16120	Federal	Federal	GW	P
FEDERAL 23-30-9-19	30	090S	190E	4304736095	14872	Federal	Federal	GW	P
SHEEP WASH FED 34-26-9-18	26	090S	180E	4304736113	15096	Federal	Federal	GW	P
DESERT SPRING ST 23-36-9-18	36	090S	180E	4304736219	14738	State	State	GW	P
DESERT SPRING ST 21-36-9-18	36	090S	180E	4304736220	14763	State	State	GW	P
DESERT SPRING ST 12-36-9-18	36	090S	180E	4304736233	14764	State	State	GW	P
DESERT SPRING ST 43-36-9-18	36	090S	180E	4304736241	14992	State	State	GW	P
DESERT SPRING ST 34-36-9-18	36	090S	180E	4304736242	14716	State	State	GW	P
FEDERAL 14-31-9-19	31	090S	190E	4304736271	15884	Federal	Federal	GW	P
FEDERAL 12-31-9-19	31	090S	190E	4304736336	15086	Federal	Federal	GW	P
FEDERAL 21-31-9-19	31	090S	190E	4304736368	15605	Federal	Federal	GW	P
FEDERAL 23-31-9-19	31	090S	190E	4304736442	15715	Federal	Federal	GW	P
SHEEP WASH FED 43-25-9-18	25	090S	180E	4304736600	14977	Federal	Federal	GW	P
FEDERAL 43-19-9-19	19	090S	190E	4304736719	15186	Federal	Federal	GW	P
SHEEP WASH FED 21-25-9-18	25	090S	180E	4304736727	15475	Federal	Federal	GW	P
FEDERAL 21-30-9-19	30	090S	190E	4304736739	15476	Federal	Federal	GW	P
SHEEP WASH FED 23-25-9-18	25	090S	180E	4304736740	15213	Federal	Federal	GW	P
FEDERAL 23-19-9-19	19	090S	190E	4304736771	15355	Federal	Federal	GW	P
SHEEP WASH FED 41-25-9-18	25	090S	180E	4304736772	15338	Federal	Federal	GW	P
FEDERAL 41-30-9-19	30	090S	190E	4304736817	15212	Federal	Federal	GW	P
LAMB TRUST 34-22-9-19	22	090S	190E	4304736913	15187	Fee	Fee	GW	P
LAMB TRUST 14-14-9-19	14	090S	190E	4304736916	17012	Fee	Fee	GW	P
DESERT SPRING ST 33-36-9-18	36	090S	180E	4304737115	15011	State	State	GW	P
FEDERAL 14-17-9-19	17	090S	190E	4304737116	16163	Federal	Federal	GW	P
FEDERAL 34-18-9-19	18	090S	190E	4304737117	16275	Federal	Federal	GW	P
UTELAND ST 41-2-10-18	2	100S	180E	4304737132	15087	State	State	GW	P
UTELAND ST 43-2-10-18	2	100S	180E	4304737338	15365	State	State	GW	P
FEDERAL 41-19-9-19	19	090S	190E	4304737611	16311	Federal	Federal	GW	P
FEDERAL 32-30-9-19	30	090S	190E	4304737612	16051	Federal	Federal	GW	P
FEDERAL 12-30-9-19	30	090S	190E	4304737613	16052	Federal	Federal	GW	P
FEDERAL 21-19-9-19	19	090S	190E	4304737621	16253	Federal	Federal	GW	P
FEDERAL 14-18-9-19	18	090S	190E	4304737622	16264	Federal	Federal	GW	P
FEDERAL 34-30-9-19	30	090S	190E	4304737630	16557	Federal	Federal	GW	P
DESERT SPRING FED 21-1-10-18	1	100S	180E	4304737631	15961	Federal	Federal	GW	P
FEDERAL 12-1-10-18	1	100S	180E	4304737646	16023	Federal	Federal	GW	P
SHEEP WASH FED 14-25-9-18	25	090S	180E	4304737647	16121	Federal	Federal	GW	P
UTELAND ST 21-2-10-18	2	100S	180E	4304737676	16254	State	State	GW	P
UTELAND ST 12-2-10-18	2	100S	180E	4304737677	15806	State	State	GW	P
UTELAND ST 34-2-10-18	2	100S	180E	4304738028	16868	State	State	GW	P
FEDERAL 14-19-9-19	19	090S	190E	4304738336	16467	Federal	Federal	GW	P
FEDERAL 34-19-9-19	19	090S	190E	4304738337	16119	Federal	Federal	GW	P
SHEEP WASH FED 41-26-9-18	26	090S	180E	4304738351	16884	Federal	Federal	GW	P
SHEEP WASH FED 32-25-9-18	25	090S	180E	4304738352	16349	Federal	Federal	GW	P
SHEEP WASH FED 34-25-9-18	25	090S	180E	4304738353	16210	Federal	Federal	GW	P
FEDERAL 12-19-9-19	19	090S	190E	4304738407	16236	Federal	Federal	GW	P
SHEEP WASH FED 23-26-9-18	26	090S	180E	4304738465	16558	Federal	Federal	GW	P
SHEEP WASH FED 12-25-9-18	25	090S	180E	4304738469	16449	Federal	Federal	GW	P
FEDERAL 23-18-9-19	18	090S	190E	4304738575	16312	Federal	Federal	GW	P

LAMB TRUST 34-22A-9-19	22	090S	190E	4304738673	15832	Fee	Fee	GW	P
UTELAND FED 42-11-10-18	11	100S	180E	4304738896	16792	Federal	Federal	GW	P
STATE 21-32B	32	090S	190E	4304739170	16309	State	State	GW	P
STATE 22-32A	32	090S	190E	4304739171	16308	State	State	GW	P
STATE 21-32A	32	090S	190E	4304739172	16310	State	State	GW	P
FEDERAL 11-19-9-19	19	090S	190E	4304739717	17054	Federal	Federal	GW	P
SHEEP WASH FED 31-25-9-18	25	090S	180E	4304739729	17241	Federal	Federal	GW	P
SHEEP WASH FED 11-25-9-18	25	090S	180E	4304739730	17266	Federal	Federal	GW	P
DESERT SPG FED 41-1-10-18	1	100S	180E	4304739773	17013	Federal	Federal	GW	P
FED 32-19X-9-19(RIGSKID)	19	090S	190E	4304740233	17014	Federal	Federal	GW	P
FEDERAL 23-30G-9-19	30	090S	190E	4304751280	18211	Federal	Federal	OW	P
FEDERAL 34-19G-9-19	19	090S	190E	4304751281	18210	Federal	Federal	OW	P
FEDERAL 442-30-9-19	30	090S	190E	4304752870	19647	Federal	Federal	GW	P
FEDERAL 333-30-9-19	30	090S	190E	4304752872	19648	Federal	Federal	GW	P
FEDERAL 423-30-9-19	30	090S	190E	4304753011	19649	Federal	Federal	GW	P
Desert Springs State 412-36-9-18	36	090S	180E	4304753324	19783	State	State	GW	P
Desert Springs State 424-36-9-18	36	090S	180E	4304753325	19783	State	State	GW	P
Desert Springs State 133-36-9-18	36	090S	180E	4304753326	19747	State	State	GW	P
Desert Spring State 142-36-9-18	36	090S	180E	4304753327	19747	State	State	GW	P
DESERT SPRINGS ST 422-36-9-18	36	090S	180E	4304753328	19783	State	State	GW	P
WILKIN RIDGE ST 31-32-10-17	32	100S	170E	4301332677	15144	State	State	GW	S
SQUAW CROSSING U 5	2	100S	180E	4304730129	16266	State	State	OW	S
RBW 4-11D	11	100S	180E	4304730718	16269	Federal	Federal	OW	S
RBW 2-11D	11	100S	180E	4304730826	16270	Federal	Federal	OW	S
RBW 6-11D	11	100S	180E	4304731192	16271	Federal	Federal	OW	S
STATE 2-32B	32	090S	190E	4304732221	11371	State	State	GW	S
STATE 9-36A	36	090S	180E	4304732225	11364	State	State	GW	S
FEDERAL 13-30B	30	090S	190E	4304733581	13249	Federal	Federal	GW	S
STATE 13-36A	36	090S	180E	4304733598	17838	State	State	GW	S
FEDERAL 16-26A	26	090S	180E	4304733601	12928	Federal	Federal	GW	S
FEDERAL 31-29	29	090S	190E	4304733653	13077	Federal	Federal	GW	S
RBW 1-10D	10	100S	180E	4304734312	16265	Federal	Federal	OW	S
FEDERAL 13-18-9-19	18	090S	190E	4304739776	17149	Federal	Federal	GW	S

* See attached list



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office

440 West 200 South, Suite 500

Salt Lake City, UT 84101-1345

<http://www.blm.gov/ut/st/en.html>



IN REPLY REFER TO:
3180 (UTU90523X)
UT-922000

October 30, 2015

Mr. Josh Crist
Badlands Energy, Inc.
7979 East Tufts Avenue, Suite 1150
Denver, Colorado 80237

Dear Mr. Crist:

The Gate Canyon II Unit Agreement, Duchesne County, Utah, is approved effective October 30, 2015. This agreement has been designated No. UTU90523X.

This unit provides for the drilling of one obligation well and subsequent drilling obligations pursuant to Section 9 of the unit agreement. The initial well is to be drilled to a depth of 15,605 feet or a depth sufficient to test 100 feet below the top of the Dakota Formation, whichever is less; and located in the SE¼ of Section 18, Township 11 South, Range 15 East, SLB&M, Duchesne County, Utah.

No extension of time beyond April 30, 2016, will be granted to commence the "obligation well" other than "unavoidable delay" (Section 25), where justified.

Approval of this agreement does not warrant or certify that the operator thereof and other holders of operating rights hold legal or equitable title to those rights in the subject leases which are committed hereto.

The basic information is as follows:

1. The depth of the test well and the area to be unitized were approved under the unit plan regulations of December 22, 1950, by Bureau of Land Management letter dated May 19, 2015.
2. All substances are unitized.

3. The unit area embraces 27,955.41 acres, more or less, of which the 20,471.11 acres (73.23 percent) are Federal lands; 7,084.30 acres (25.34 percent) are State lands, and 400.00 (1.43 percent) are Patented lands.

The following leases embrace lands included within the unit area:

UTU62159	UTU67253	UTU74396	UTU76810
UTU65319	UTU73165	UTU75231	UTU76811
UTU65779**	UTU73425	UTU75233	UTU76812
UTU66798	UTU74387	UTU75670	UTU80914**
UTU66800	UTU74395	UTU76478	

** Indicates non-committed leases.

All lands and interests are fully/effectively committed except Tracts 3 totaling 270.80 acres (0.97 percent) Tract 19 totaling 320.00 acres (1.14 percent) and Tract 28 totaling 80.00 acres (.29 percent) which are not committed. Also, certain overriding royalty interest owners have not signed the unit agreement. All parties owning interests within this unit area were invited to join the unit agreement.

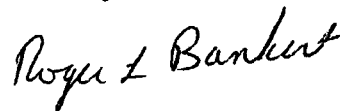
Unleased Federal land, Tract 20, totaling 360.00 acres (1.29 percent), is not committed, but is considered to be effectively controlled acreage because, prior to issuance of leases for the acreage, the lessee(s) may be required to commit to the unit agreement.

In view of the foregoing commitment status, effective control of operations within the unit area is assured. We are of the opinion that the agreement is necessary and advisable in the public interest and for the purpose of more properly conserving natural resources.

Copies of the approved agreement are being distributed to the BLM Vernal Field Office, Utah Division of Oil, Gas and Mining, and the Office of Natural Resources Revenue. You are requested to furnish all other interested parties with appropriate evidence of this approval.

If there are any questions, please contact Judy Nordstrom at (801) 539-4108.

Sincerely,



Roger L. Bankert
Chief, Branch of Minerals

**cc: UDOGM
SITLA
ONRR w/Exhibit B (Attn: Jessica Bowlen/Joshua Pearson)
FOM – Vernal w/enclosure**

CERTIFICATION - DETERMINATION

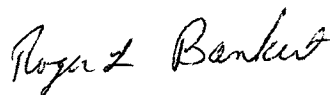
Pursuant to the authority vested in the Secretary of the Interior, under the Act approved February 25, 1920, 41 Stat. 437, as amended, 30 U.S.C. sec 181, et seq., and delegated to the Authorized Officer of the Bureau of Land Management, under the authority of 43 CFR 3180, I do hereby:

A. Approve the attached agreement for the development and operation of the Gate Canyon II Unit Area, Duchesne County, Utah. This approval shall be invalid *ab initio* if the public interest requirement under § 3183.4(b) of this title is not met.

B. Certify and determine that the unit plan of development and operation contemplated in the attached agreement is necessary and advisable in the public interest for the purpose of more properly conserving the natural resources.

C. Certify and determine that the drilling, producing, rental, minimum royalty and royalty requirements of all Federal leases committed to said Agreement are hereby established, altered, changed or revoked to conform with the terms and conditions of this agreement.

Dated: October 30, 2015



Chief, Branch of Minerals
Bureau of Land Management

Contract No: UTU90523X

Wells added to Gate Canyon II Unit.
Effective October 30, 2015

GATE CYN 41-20-11-15	20	110S	150E	4301332475	14417	State	State	GW	P
GATE CYN 31-21-11-15	21	110S	150E	4301332391	13787	State	State	GW	P
GATE CYN ST 23-16-11-16	16	110S	160E	4301332888	15098	State	State	GW	P
GATE CYN 41-19-11-16	19	110S	160E	4301332611	14439	Federal	Federal	GW	P